

Market Rule Amendment Proposal

Identification	on No.: MR-00307-R00				
Subject:	Forecasts	Forecasts and Assessments			
Title:	Align Market Rules with IESO's Objects Under the Electricity Act, 1998				
Nature of Pr	Vature of Proposal: Alteration Deletion Addition				Addition
Chapter:	5 Appendix:				
Sections:	7				
Sub-sections proposed for amending:					

PART 2 – PROPOSAL HISTORY

Version	Reason for Issuing	Version Date		
1.0	Draft for Technical Panel Review	December 9, 2005		
2.0	Draft for Technical Panel Review	December 19, 2005		
3.0	Publish for Stakeholder Review and Comment	December 21, 2005		
Approved Amendment Publication Date:				
Approved Amer	ndment Effective Date:			

Provide a brief description of the following:

- The reason for the proposed amendment and the impact on the *IESO-administered markets* if the amendment is not made.
- Alternative solutions considered.
- The proposed amendment, how the amendment addresses the above reason and impact of the proposed amendment on the *IESO-administered markets*.

Summary

These amendments propose to align the IESO's forecasting obligations under the market rules with the Electricity Act, 1998 by removing the obligations on the IESO to produce forecasts and assessments that cover a ten-year period. Under the Electricity Restructuring Act, 2004 which amended the Electricity Act, 1998, the responsibility for producing long-term forecasts and assessments, e.g. the "10 Year Assessment", of the adequacy and reliability of electricity resources for Ontario was transferred from the IESO to the OPA. The IESO would continue to produce all other forecasts and assessments outlined in the market rules. The proposed market rules also recognize that the IESO would conduct assessments and provide that information to the OPA.

These amendments also propose to enable the IESO to conduct security and adequacy assessments of the IESO-controlled grid as required to ensure the reliable operation of the IESO controlled grid.

Other amendments are proposed to:

- Clarify the actions that may be required as a result of the IESO's security and adequacy assessments;
- Remove all references to the ten-year forecasts and assessments; and
- Change all "IMO" references to the "IESO" in keeping with the organization name change under the Electricity Restructuring Act, 2004.

Background

Under the Electricity Restructuring Act, 2004, which was passed by the Ontario Legislature in December 2004 and resulted in amendments to the Electricity Act, 1998, the responsibility for producing long-term forecasts and assessments of the adequacy and reliability of electricity resources for Ontario was transferred from the IESO to the Ontario Power Authority (OPA).

Although the IESO is no longer obligated to produce and publish long-term forecasts and assessments, the IESO will assist the OPA to meet its objects under the amended Electricity Act, 1998.

Discussion

The first proposed amendment is to remove the market rule provisions that obligate the IESO to produce forecasts and assessments covering a ten-year period. Since market commencement, the IESO has produced, on an annual basis:

- A forecast of demand for the next ten years (section 7.1.1.5, Ch 5),
- A security and adequacy assessment of the IESO-controlled grid covering a ten-year period

(section 7.3.1.1, Ch 5), and

• An annual report on the adequacy of relevant existing and planned generation facilities and transmission facilities to meet current and future electricity needs of Ontario during the next ten years (section 7, Ch 10).

In order to align market rules with the IESO's objects under the amended Electricity Act, 1998, it is proposed to remove sections 7.1.1.5 and 7.3.1.1 of Ch 5, section 7 of Ch 10 and all references to these provisions.

The second proposed amendment is to add a new section (section 7.3.1.5) that enables the IESO to conduct security and adequacy assessments as required to identify and address reliability needs. With the significant changes facing the IESO-controlled grid over the next few years, the IESO needs the authority and flexibility afforded by this provision to conduct assessments when required rather than on a strict timetable. As outlined in proposed new section 7.4.5, the IESO would conduct these assessments to:

- Meet its obligations to maintain the *reliability* of the *IESO-controlled grid*;
- Meet the requirements of standards authorities; and
- Assist the OEB and the OPA in meeting their respective objectives.

The third proposed amendment is to clarify IESO actions and obligations that follow from the results of its security and adequacy assessments as outlined in section 9 of Chapter 10. It is proposed to move the provisions of section 9 of Chapter 10 to a new section 7.11 of Chapter 5 so that these provisions more logically follow the section regarding security and adequacy assessments.

Taking into account the respective roles of the IESO and the OPA, it is proposed to re-write the provisions of section 9 of Chapter 10 as follows:

- Replace the phrase "the current annual planning period" with "the next twelve months" in the rewrite of section 9 of Chapter 10. Without the 10-year assessment, the current annual planning period has no relevance. In the context of Chapter 10, the current annual planning period refers to the 12-month period following the preparation and publication of the annual report referred to in section 7 (April 1 March 31.) As a result, the current annual planning period means a period ranging from current day to the next 364 days, depending on which calendar day is at hand. The proposed 12-month timeframe is consistent with the intent of the current annual planning period while providing greater certainty and clarity about the timeframes in which actions are to be initiated.
- Move section 9.1.1 of Chapter 10 to section 7.11.1 of Chapter 5 and delete the references to the annual assessment processes in section 7 of Chapter 10.
- Move section 9.1.2 of Chapter 10 to section 7.11.2 of Chapter 5 and add a provision to indicate that, in addition to the IESO's existing obligation to notify the OEB, the IESO would also notify the OPA of an adverse condition on the IESO-controlled grid that requires action within the next twelve months to alleviate the condition. In addition, it is proposed to change the obligation on the IESO to direct the transmitter to prepare a proposal for the enhancement of the IESO-controlled grid from "shall direct" to "may direct". This change recognizes that such a direction

to a transmitter may come from the OPA. Further changes are proposed to obligate the IESO to notify the OEB and OPA of its identification of an adverse condition on the IESO-controlled grid, whether or not the IESO issues the direction to a transmitter.

- Move section 9.2.1 of Chapter 10 to section 7.11.3 of Chapter 5 and clarify the responsibilities of the IESO. Section 25.2 (1) (b) of the amended Electricity Act, 1998, states that one of the objects of the OPA is "to conduct independent planning for electricity generation, demand management, conservation and transmission and develop integrated power system plans for Ontario". Since the OPA is responsible for transmission planning, it is proposed to remove the reference to the IESO's determination of a transmission system investment and the associated costs of such an investment. The IESO is responsible for providing support to the OPA in the OPA's assessment of the options that may be available to reduce or eliminate the adverse condition.
- Move section 9.3.1 of Chapter 10 to section 7.11.4 of Chapter 5 with only a reference change necessitated by moving the provisions of section 9, Chapter 10 to section 7.11 of Chapter 5.

Other editorial amendments are proposed to add the phrase "section deleted" to all previously deleted provisions in sections 7 of Chapter 5 marked "Intentionally left blank" for the sake of consistency.

PART 4 - PROPOSED AMENDMENT

7. Forecasts and Assessments

7.1 Forecasts Prepared by the IESO

- 7.1.1 The *IESO* shall produce and *publish* the following ongoing *demand* forecasts for Ontario or parts thereof:
 - 7.1.1.1 [Intentionally left blank <u>– section deleted</u>]
 - 7.1.1.2 on a daily basis, a forecast of *demand* for each of the 14 days following the current day, by hour;
 - 7.1.1.3 on a weekly basis, a forecast of *demand* for the next 28 days, by day and by hour; and
 - 7.1.1.4 on a quarterly basis, a forecast of *demand* for the next 18 months, by week; and.
 - 7.1.1.5 on an annual basis, a forecast of *demand* for the next 10 years, by month.[Intentionally left blank section deleted]

- 7.1.2 The forecasts referred to in section 7.1.1 shall be prepared by the *IESO* in such form as may be specified in the applicable *market manual*, shall be used in conducting the assessments referred to in section 7.3, and shall, in the case of the forecasts referred to in sections 7.1.1.4 and 7.1.1.5, be included in the reports referred to in sections 7.3.1.2 and 7.3.1.1 respectively.
- 7.1.3 The *IESO* shall *publish* the method to be used to perform the forecasts described in section 7.1.1.
- 7.1.4 [Intentionally left blank section deleted]
- 7.1.5 Each *distributor*, *connected wholesale customer* and other load-serving entity shall, for the purpose of enabling the *IESO* to produce the forecasts referred to in section 7.1.1, provide to the *IESO* the load forecasts described in the applicable *market manual* in such form, at such time and having such resolution as may be specified in such *market manual*.

7.2 Basis for IESO Forecasts

7.2.1 The *IESO* shall develop forecasts of peak *demand* and *energy demand*, by area, that are based on, but potentially differ from, the forecasts provided to it by *distributors*, other load-serving entities and *connected wholesale customers* pursuant to section 7.1.5, and which account for the *demands* of loads not required to make forecasts. These forecasts shall be developed on an area basis, as required to meet the purposes of these forecasts.

7.3 Advance Assessments of System Security and Adequacy

- 7.3.1 The *IESO* shall in each calendar year, prepare for the purposes referred to in section 7.4 and based on the information received pursuant to section 7.5.1 and such other information as the *IESO* considers appropriate, and *publish*, the following reports of its findings in relation to such *security* and *adequacy* assessments:
 - 7.3.1.1 on an annual basis and on or before April 1, an assessment covering a ten-year period commencing with the following calendar year:[Intentionally left blank section deleted]
 - 7.3.1.2 on a quarterly basis and no later than 5 *business days* prior to the end of each calendar quarter, an assessment covering an eighteen-month period commencing with the following calendar month;
 - 7.3.1.3 on a weekly basis and within two *business days* of the date of receipt from *market participants* of the weekly information specified in the *market manual* referred to in section 7.5.1, an assessment covering the

- third and fourth week of a four-week period commencing with the following day; and
- 7.3.1.4 on a daily basis and not later than 17:00 EST on each day, an assessment covering a fourteen-day period commencing on the following day; and
- 7.3.1.5 as required, an assessment of the *reliability* of the *IESO-controlled* grid.

7.3A Liability

- 7.3A.1 Notwithstanding section 13.1.2 of Chapter 1, no *market participant* shall be entitled to compensation from the *IESO* for any costs, loss or damage sustained by the *market participant* as a result of any difference between:
 - 7.3A.1.1 *demand* as forecasted pursuant to section 7.1.1 and actual *demand*;
 - 7.3A.1.2 conditions on the *IESO-controlled grid* as forecasted in the assessments referred to in section 7.3.1 and actual conditions on the *IESO-controlled grid*; or
 - 7.3A.1.3 information contained in succeeding forecasts *published* pursuant to section 7.1.1 or reports *published* pursuant to section 7.3.1 that cover in whole or in part the same time frame.

7.3B Succession of Forecasts and Reports

7.3B.1 Each forecast *published* pursuant to section 7.1.1 or report *published* pursuant to section 7.3.1 shall, to the extent that it covers in whole or in part the same time frame as that covered in a previous *published* forecast or report, supercede such previous *published* forecast or report.

7.4 Purpose of Assessments

- 7.4.1 The *IESO* shall conduct the annual assessments referred to in section 7.3.1.1 to assist the *IESO* in meeting its responsibilities for maintaining the *reliability* of the *IESO-controlled grid* and to:[Intentionally left blank section deleted]
 - 7.4.1.1 provide input to relevant *standards authorities* with respect to their responsibilities for reviewing the status of *reliability* within each *control area*; [Intentionally left blank section deleted]

- 7.4.1.2 provide input to market participants for long-term planning and investment decisions, notwithstanding specific reports identified in Chapter 10 for this purpose;[Intentionally left blank section deleted]
- 7.4.1.3 provide input to reports to the *IESO Board*, the *OEB* and the Ontario Government regarding projected transmission and generation adequacy; and [Intentionally left blank section deleted]
- 7.4.1.4 provide input to any decisions by the *IESO Board* regarding the activation and changing requirements of the *capacity reserve* market.[Intentionally left blank section deleted]
- 7.4.2 The *IESO* shall conduct the quarterly assessments referred to in section 7.3.1.2 to:
 - 7.4.2.1 provide forecasts, by month, of expected *demand*, *generation capacity* and transmission capacity, *energy* capability of *generation facilities*, and the possibility of any *security*-related events on the *IESO-controlled grid* that could require contingency planning by *market participants* or by the *IESO*;
 - 7.4.2.2 allow the *IESO* to identify exigencies potentially impacting on the coordination of *outages* that could give rise to shortfalls in *generation capacity* and thus provide information by which *market participants* could act to reschedule *outage* plans to avoid such projected shortfalls; and
 - 7.4.2.3 allow the *IESO* to meet its obligations to relevant *standards authorities* so as to enable the latter organizations to assess the expected adequacy and reliability of the regional power systems to match generation and *demand*.
- 7.4.3 The *IESO* shall conduct the weekly assessments referred to in section 7.3.1.3 to:
 - 7.4.3.1 provide forecasts, by day, of expected daily *demand*, *generation* capacity and transmission capacity, *energy* capability of *generation* facilities, exports and imports of *energy*, and the availability of transmission that may affect the *security* of the *IESO-controlled grid* or affect operational decisions to be taken by the *IESO* that must be made more than a day in advance;
 - 7.4.3.2 allow the *IESO* to identify exigencies potentially impacting on the coordination of *outages* that may give rise to shortfalls in *generation capacity* and thereby assist *market participants* in finalizing *outage* plans and submitting *outage* schedules to the *IESO*; and
 - 7.4.3.3 allow the *IESO* to meet its obligations to relevant *standards authorities* so as to enable the latter organizations to assess the expected adequacy and reliability of regional power systems to match generation and *demand*, particularly in peak seasons and peak periods.

- 7.4.4 The *IESO* shall conduct the daily assessments referred to in section 7.3.1.4 to:
 - 7.4.4.1 provide forecasts, by day, of expected hourly *demand*, *generation* capacity and transmission capacity, *energy* capability of *generation* facilities, exports and imports of *energy*, and the availability of transmission that may affect the *security* of the *IESO-controlled grid* or affect operational decisions to be taken by the *IESO* that must be made more than a day in advance; and
 - 7.4.4.2 allow the *IESO* to meet its obligations to relevant *standards authorities* so as to enable the latter organizations to assess the expected adequacy and reliability of regional power systems to match generation and *demand*, on a daily and hourly basis, particularly in peak seasons and in peak hours.
- 7.4.5 The *IESO* shall conduct the assessments referred to in section 7.3.1.5 to:
 - 7.4.5.1 meet its obligations to maintain the *reliability* of the *IESO-controlled* grid;
 - 7.4.5.2 meet the requirements of standards authorities; and
 - 7.4.5.3 assist the *OEB* and the *OPA* in meeting their respective objectives.

7.5 Information Requirements

7.5.1 Each *market participant* shall, for the purpose of enabling the *IESO* to perform the *security* and *adequacy* assessments referred to in section 7.3.1, provide to the *IESO* the information described in the applicable *market manual* in such form, at such time and having such resolution as may be specified in such *market manual*.

7.6 The Reporting of Security and Adequacy Assessments

- 7.6.1 The reports referred to in section 7.3.1 shall be prepared by the *IESO* in such form and shall contain such information as may be specified in the applicable *market manual*.
- 7.6.2 [Intentionally left blank <u>– section deleted</u>]

7.7 Updated and Related Reports

- 7.7.1 [Intentionally left blank <u>– section deleted</u>]
- 7.7.2 [Intentionally left blank section deleted]
- 7.7.3 [Intentionally left blank section deleted]

7.7.4 [Intentionally left blank <u>– section deleted</u>]

Interim Updates

7.7.5 The *IESO* may *publish* additional updated versions of any of the assessment reports referred to in section 7.3.1 in the event of changes that, in the *IESO*'s opinion, are significant and should be communicated to *market participants*.

Related Reports

7.7.6 From the material and assessments in the assessment reports referred to in section 7.3.1, the *IESO* may produce additional related reports as required by relevant *standards authorities*, the *IESO Board*, the *OEB*, and the Government of Ontario.

7.8 [Intentionally left blank - section deleted]

- 7.8.1 [Intentionally left blank <u>– section deleted</u>]
- 7.8.2 [Intentionally left blank section deleted]

7.9 Provision of Information to Transmitters

- 7.9.1 [Intentionally left blank section deleted]
- 7.9.2 Notwithstanding any other provision of these *market rules*, the *IESO* may, if necessary to enable *transmitters* to prepare plans for the expansion or modification of the *IESO-controlled grid*, provide to relevant *transmitters* information provided by *market participants* pursuant to this Chapter regarding their forecasts and plans. Any such information which is *confidential information* shall be provided to *transmitters* on a confidential basis and the receiving *transmitter* shall use all reasonable endeavours to protect such *confidential information* and shall use such *confidential information* solely for the purpose of preparing plans for the expansion or modification of the *IESO-controlled grid*.
- 7.9.3 Where the *IESO* intends to disclose to a *transmitter confidential information* pertaining to a *market participant* pursuant to section 7.9.2, the *IESO* shall provide the *market participant* with advance notice of such intention and shall provide the *market participant* with a reasonable opportunity to make representation as to why the *confidential information* should not be disclosed.

7.11 IESO Actions

Actions Within Next Twelve Months

7.11.1 If the *IESO* identifies an adverse condition on the *IESO-controlled grid* that requires action to be initiated within the next twelve months in order to maintain the *reliability* of the *IESO-controlled grid*, the *IESO* may:

- conduct and *publish* a *security* and *adequacy* assessment in accordance with section 7.3.1.5; and
- take any additional steps necessary to ensure that the *reliability* of the *IESO-controlled grid is* maintained.
- 7.11.2 If the *IESO* does not believe that *market participants* have or will, voluntarily, put forward reasonable commitments for technically feasible options to alleviate the condition identified in section 7.11.1, the *IESO* may direct the *transmitter(s)* in the relevant location(s) to promptly prepare a detailed proposal for the enhancement of the *IESO-controlled grid*. The *transmitter(s)* shall submit the proposal to the *OEB*, the *OPA*, and other governmental agencies having authority to approve the proposal, in the form of an application for approval of the enhancement. The *IESO* shall notify the *OEB* and the *OPA* of its identification of the adverse condition.

Actions Beyond the Next Twelve Months

- 7.11.3 If the *IESO* identifies an adverse condition on the *IESO-controlled grid* that does not require action to be initiated within the next twelve months, the *IESO* shall:
 - notify the *OEB* and the *OPA* of its determination; and
 - provide support to the *OPA* in the *OPA*'s assessment of the options that may be available for *market participants* to remove or alleviate the condition.

Actions Independent of IESO Recommendations

7.11.4 Nothing in this section 7.11 is intended to limit the right of any *market participant* to file voluntarily for approval of a proposal to invest in *facilities* on the *integrated power system* that are not the subject of specific recommendations made by the *IESO*. A *market participant* interested in sponsoring a new or modified *connection* to the *IESO-controlled grid* may submit a *request for connection assessment* in accordance with section 6.1.6 of Chapter 4.

PART 5 – IESO BOARD DECISION RATIONALE

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Market Rule Amendment Proposal

PART 1 – MARKET RULE INFORMATION						
Identification	ntification No.: MR-00307-R01					
Subject:	Forecasts	and Assessments				
Title:	Align Market Rules with IESO's Objects Under the Electricity Act, 1998 – Consequential Amendments					
Nature of Proposal:				☐ Deletion		Addition
Chapter:	10 Appendix:					
Sections:	7-9					
Sub-sections proposed for amending:						

PART 2 - PROPOSAL HISTORY - REFER TO MR-00307-R00

Version	Reason for Issuing	Version Date
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Provide a brief description of the following:

- The reason for the proposed amendment and the impact on the *IESO-administered markets* if the amendment is not made.
- Alternative solutions considered.
- The proposed amendment, how the amendment addresses the above reason and impact of the proposed amendment on the *IESO-administered markets*.

Summary

Refer to MR-00307-R00

Background

Refer to MR-00307-R00

Discussion

These amendments propose to remove section 7 of Chapter 10 to align the market rules with the IESO's objects under the Electricity Act, 1998. Deletion of section 7 removes the provisions that obligate the IESO to produce an annual report on the adequacy of relevant existing and planned generation facilities and transmission facilities in Ontario during the next ten years.

It is also proposed to remove sections 8.1 through 8.6 and certain provisions of section 8.7 (sections 8.7.1 and 8.7.3) since these provisions are not relevant if section 7 is removed.

It is also proposed to:

- Re-write the provisions of section 9 to clarify IESO actions and obligations that follow from the results of the IESO's security and adequacy assessments, taking into account the respective roles of the IESO and the OPA; and
- Move those provisions to a new section 7.11 of Chapter 5 so that these provisions logically follow the section regarding security and adequacy assessments (refer to MR-00307-R00).

Other editorial amendments are proposed to:

- Change all "IMO" references in Chapter 10 to "IESO" in keeping with the organization name change under Bill 100; and
- Add the phrase "section deleted" to all previously deleted provisions in sections 8 and 9 marked "Intentionally left blank" for the sake of consistency.

7. System Adequacy and Investment[Intentionally left blank – section deleted]

7.1 Introduction[Intentionally left blank – section deleted]

7.1.1 This section 7 and sections 8 and 9 set forth the process by which the *IMO* will assess and communicate the need for investment in new *facilities* to maintain the reliability of the *integrated power system* and the efficient operation of the *IMO* administered markets. [Intentionally left blank – section deleted]

7.2 Annual Reports [Intentionally left blank – section deleted]

7.2.1 On or before the first of April of each year, the *IMO* shall prepare an *annual* report or reports setting forth its assessment of the adequacy of relevant existing and planned generation facilities and of relevant existing and planned transmission facilities to meet the current and future electricity needs of Ontario. The IMO shall prepare such annual reports in conjunction with the annual assessment of the security and adequacy of the *IMO*-controlled grid referred to in section 7.3.1.1 of Chapter 5 and may in each year include each such annual report in the report prepared pursuant to that section. [Intentionally left blank – section deleted]

7.2.2 Each *annual report* shall contain: [Intentionally left blank – section deleted]

- 7.2.2.1 the *IMO*'s forecast and assessment of the adequacy of relevant existing and planned *generation facilities* and transmission *facilities* to satisfy the projected requirements for *reliable* electric service in Ontario during each of the next five years and on a ten year look ahead basis, taking into account all applicable *reliability standards*; [Intentionally left blank section deleted]
- 7.2.2.2 the capability of the *integrated power system* to accommodate demands for imports and exports of power; and [Intentionally left blank section deleted]

- 7.2.2.3 the information required by section 8 to be included in an *annual* report. [Intentionally left blank section deleted]
- 7.2.3 The purposes of the *annual reports* are as follows:[Intentionally left blank section deleted]
 - 7.2.3.1 with respect to the adequacy of generation facilities, the annual reports shall be prepared for the purpose of notifying market participants, the OEB and the public of the IMO's assessment of the adequacy of relevant generation resources to meet the projected demand for electricity in Ontario, plus a reserve margin calculated consistent with the requirements of relevant reliability standards, taking into account the availability of dispatchable load and other demand-side measures that could reduce the demand for electricity in response to market prices. The annual reports shall also be used by the IMO to determine whether the provisions of the market rules providing for the institution of a market for capacity reserves should be employed as an incentive for new generation facilities to be constructed or otherwise committed to electricity consumers in the Province of Ontario; and [Intentionally left blank section deleted]
 - 7.2.3.2 with respect to the adequacy of transmission facilities, the purpose of the annual reports shall be to identify the potential need for IMO-controlled grid investments or other actions by market participants to maintain reliability of the IMO-controlled grid and to permit the IMO-administered markets to function efficiently. The annual reports shall include, as appropriate, the impact of existing and emerging shortages of transmission capacity within Ontario, the impact of new or modified connections to the IMO-controlled grid, the effects of loop flows on the IMO-controlled grid and the adequacy of the interconnections between the IMO-controlled grid and neighboring transmission systems. [Intentionally left blank section deleted]
- 7.2.4 Subject to such measures as may be applicable being taken to protect the confidentiality of any confidential information contained in an annual report, the conclusions and recommendations contained in an annual report shall be available for use in proceedings before the OEB or other governmental or regulatory authorities with responsibility for reviewing proposals to construct generation facilities or transmission facilities. [Intentionally left blank section deleted]

8. Information Requirements

8.1 Determination of Information Requirements[Intentionally left blank – section deleted]

- 8.1.1 Each *market participant* shall, for the purpose of enabling the *IMO* to prepare the *annual reports* referred to in section 7, provide to the *IMO* the information described in the applicable *market manual* in such form, at such time and having such resolution as may be specified in such *market manual*. [Intentionally left blank section deleted]
- 8.1.2 [Intentionally left blank <u>– section deleted</u>]

8.2 Treatment of Confidential Information [Intentionally left blank – section deleted]

- 8.2.1 [Intentionally left blank <u>– section deleted</u>]
- 8.2.2 Notwithstanding the provisions of section 5 of Chapter 3, where the *IMO* determines that the inability to include *confidential information* pertaining to a *market participant*, other than as an unidentifiable component of aggregated information, will prevent it from achieving the purposes of an *annual report*, the *IMO* shall provide advance written notice to the relevant *market participant* of its intention to include such *confidential information* in the *annual report* and shall provide the *market participant* with a reasonable opportunity to make representation as to why such *confidential information* should not be included in the *annual report*. [Intentionally left blank section deleted]
- 8.2.3 The *IMO* shall submit a copy of each *annual report* to the *OEB* and the *Minister* and shall simultaneously *publish* each *annual report*.[Intentionally left blank section deleted]
- Where an *annual report* contains *confidential information* pertaining to a *market* participant, other than as an unidentifiable component of aggregated information, it shall be submitted to the *OEB* and the *Minister* on a confidential basis. The *IMO* shall prepare, for publication pursuant to section 8.2.3, a public version of the *annual report* from which all such *confidential information* has been removed.[Intentionally left blank section deleted]

8.3 Additional Information Required by IMO[Intentionally left blank – section deleted]

- 8.3.1 The *IMO* may request that a *market participant* provide it with information other than that referred to in section 8.1.1 if the *IMO* needs such information to enable it to achieve the purposes of the *annual report*.[Intentionally left blank section deleted]
- 8.3.2 Each *market participant* shall provide to the *IMO* any information requested pursuant to section 8.3.1.[Intentionally left blank section deleted]

8.4 Requests for Proposals to Alleviate Constraints[Intentionally left blank – section deleted]

- 8.4.1 In conducting the annual security and adequacy assessments required by this Chapter and Chapter 5, where the *IMO* identifies a significant existing or emerging constraint on the *IMO* controlled grid that may adversely affect the reliability of the *IMO*-controlled grid or the operation of the *IMO*-administered markets, the *IMO* shall issue a request to all market participants to supply information relating to options and proposals for the prevention, removal or alleviation of the constraint. The *IMO* shall also direct the transmitter in the area where the constraint exists to identify one or more technically feasible options for upgrading the *IMO*-controlled grid to prevent, remove or alleviate the constraint. A market participant (including a transmitter) may include estimates of the cost of the identified option in its response to a request made or a direction given by the *IMO* under this section. [Intentionally left blank section deleted]
- 8.4.2 _Any transmitter or market participant may identify or nominate existing or emerging constraints or other conditions on the IMO-controlled grid to the IMO for its consideration under this section 8.4.[Intentionally left blank section deleted]

8.5 <u>IMO Evaluations [Intentionally left blank – section deleted]</u>

- 8.5.1 The *IMO* shall describe and assess in the relevant *annual report* all options identified by *market participants* in response to the request and direction made pursuant to section 8.4.1 that the *IMO* considers to be technically feasible. The *IMO* shall present in such *annual report* its analysis of each reported alternative and its assessment of each option on the *reliability* of the *IMO* controlled grid and on the efficient operation of the *IMO* administered markets. [Intentionally left blank section deleted]
- 8.5.2 No *market participant* shall be precluded from submitting an application to the *OEB* or any other governmental authority for a project, or from otherwise

advancing its option as a preferred alternative, by reason of the contents of an *annual report* or of the fact that the *market participant* did not previously submit the option for the *IMO's* review in response to a request made pursuant to section 8.4.1.[Intentionally left blank – section deleted]

8.6 Responses to Requests for Information Intentionally left blank – section deleted]

8.6.1 In any response to a request for information issued pursuant to section 8.4.1, each responding *market participant* shall include a statement as to its willingness to bear all or some of the costs of any given option and of its willingness to act as sponsor or proponent of the project for purposes of obtaining regulatory approval of and investing in the project.[Intentionally left blank – section deleted]

8.7 Retirements

- 8.7.1 The *IMO* shall include in each *annual report* its assessment of the impact of any planned retirements of transmission *facilities* by *transmitters* referred to in section 8.7.2 that could reduce the capability of the *integrated power* system.[Intentionally left blank section deleted]
- Each transmitter whose transmission system forms part of the IMOIESO controlled grid shall provide to the IMOIESO not less than six months' advance notice of the commencement of planned retirements of transmission facilities, including notification of any plans the transmitter may have to construct replacement facilities for those being retired. If the IMOIESO believes that a planned retirement of transmission facilities may have an adverse effect on the reliability of the IMOIESO controlled grid, or on the efficient operation of the IMOIESO administered markets, the IMOIESO may request that the transmitter not retire the facility. If the IMOIESO and a transmitter disagree regarding the retirement of a transmission facility, or with respect to the transmitter's plans to replace such a facility, the matter may, subject to licence of the IMOIESO or of the transmitter or to the provisions of the applicable operating agreement, be submitted for resolution using the dispute resolution procedures set forth in section 2 of Chapter 3.
- 8.7.3 The *IMO* shall include in each *annual report* its assessment of the impact of any planned retirements of *generation facilities* by generators referred to in section 8.7.4 that could affect the *adequacy* of the *integrated power system*.[Intentionally left blank section deleted]
- 8.7.4 Each *generator* shall provide the <u>IMO-IESO</u> not less than six months advance notice of the commencement of the planned retirement of any one of its *generation facilities* that is a registered facility facilities, including notification of any plans the *generator* may have to construct replacement facilities for that those being retired.

8.8 Transmitter Data Access

- 8.8.1 Each *transmitter* for which the *IMO-IESO* administers the collection and distribution of *transmission service charges* for the various classes of *transmission service* as required by this Chapter and as established by the *OEB* from time to time pursuant to the *Ontario Energy Board Act, 1998* and whose *transmission system* forms part of the *IMOIESO*-controlled grid shall, where applicable, have access to the following *confidential information* related to each type of *transmission services charge* in a manner and form specified by the *IMOIESO*:
 - 8.8.1.1 *energy* readings that reside in the *metering database* pursuant to section 10.1.5.3 of Chapter 6 which have been loss adjusted and totalized to their respective *delivery points* defined for the purposes of *transmission services charges* as established by the *OEB* from time to time pursuant to the *Ontario Energy Board Act*, 1998;
 - 8.8.1.2 *interchange schedule data* used in the calculation of *transmission* services charges as required by this Chapter and as established by the *OEB* from time to time pursuant to the *Ontario Energy Board Act*, 1998;
 - 8.8.1.3 the coincident or non-coincident peak demand quantity for each transmission delivery point to the extent that such quantities are relevant to the calculation of *transmission services charges* as required by this Chapter and as established by the *OEB* from time to time pursuant to the *Ontario Energy Board Act*, 1998;
 - 8.8.1.4 the peak demand quantity applicable to the transmitter's *transmission* system or the <u>IMOIESO</u>-controlled grid as the case may be, to the extent that such quantities are relevant to the calculation of transmission services charges as required by this Chapter and as established by the OEB from time to time pursuant to the Ontario Energy Board Act, 1998; and
 - 8.8.1.5 the *transmission services charges* payable by each *transmission customer* to the *transmitter* at each *delivery point* defined for the purposes of *transmission services charges* or *intertie metering point* to the extent that such data is relevant to the calculation of *transmission services charges* as required by this Chapter and as established by the *OEB* from time to time pursuant to the *Ontario Energy Board Act*, 1998.
- 8.8.2 The *transmitter* to whom the disclosure of information described in section 8.8.1 is made shall use the *confidential information* so disclosed solely for the purposes of collecting and administering those *transmission services charges* and shall use all reasonable endeavours to protect the confidentiality of such *confidential information*, including but not confined to adherence of any code, licence

condition, order by the *OEB* or applicable law regarding the separation of the *transmitter's* commercial activities and information with respect to any other affiliated entities as may be defined in said code, licence condition, order, or applicable law.

8.8.3 Notwithstanding section 13 of Chapter 1, the applicable *transmitter* receiving the *confidential information* referred to in section 8.8.1 shall indemnify and hold harmless the *IMO-IESO* in respect of any and all claims, losses, costs, liabilities, obligations, actions, judgements, suits, expenses, disbursements and damages incurred, suffered, sustained or required to be paid, directly or indirectly, by, or sought to be imposed upon, the *IMO-IESO* arising from the subsequent use of such information by, the *transmitter*.

9. Actions Required / Recommended [Intentionally left blank – section deleted]

9.1 Actions in the Current Planning Period[Intentionally left blank – section deleted]

- 9.1.1 The *IMO* may identify an adverse condition on the *IMO* controlled grid that it deems to be sufficiently severe that action to alleviate the condition is required within the current annual planning period to protect the reliability of the *IMO* controlled grid. In that event, the *IMO* may expedite the annual assessment processes set forth in sections 7,8 and this section 9 with respect to the adverse condition, or address the condition separately from the annual assessment process and reporting process, and take any additional steps necessary to ensure that the reliability of the *IMO* controlled grid is maintained. Intentionally left blank section deleted]
- 9.1.2 If the *IMO* does not believe that reasonable commitments for technically feasible options to alleviate the condition have been or will be put forward voluntarily by market participants, the *IMO* shall direct the transmitter(s) in the relevant location(s) to promptly prepare a detailed proposal for the enhancement of the *IMO*-controlled grid, for submission to the *OEB* and other governmental agencies having authority to approve the proposal, in the form of an application for approval of the enhancement. The *IMO* shall notify the *OEB* of its identification of the severe adverse condition at the same time as it issues the direction to transmitter(s). [Intentionally left blank section deleted]

9.2 Actions Beyond the Current Planning Period[Intentionally left blank – section deleted]

9.2.1 The *IMO* may identify an adverse condition on the *IMO*-controlled grid that does not require action within the current annual planning period. Where the *IMO* determines that a *transmission system* investment could be made to reduce or eliminate the adverse condition at a cost lower than the costs associated or expected to be associated with the adverse condition, the *IMO* shall notify the *OEB* of its determination, including its assessment of the options that may be available for *market participants* to remove or alleviate the adverse condition. [Intentionally left blank – section deleted]

9.3 Actions Not Directed or Recommended by the IMO[Intentionally left blank – section deleted]

9.3.1 Nothing in this section 9 is intended to limit the right of any market participant to file voluntarily for approval of a proposal to invest in facilities on the integrated power system that are not the subject of specific recommendations made by the IMO. A market participant interested in sponsoring a new or modified connection to the IMO controlled grid may, to that end submit a request for connection assessment in accordance with section 6.1.6 of Chapter 4. [Intentionally left blank – section deleted]

9.4 [Intentionally left blank - section deleted]

9.4.1 [Intentionally left blank – section deleted]

PART 5 – IESO BOARD DECISION RATIONALE - REFER TO MR-00307-R00

Insert Text Here			



Market Rule Amendment Proposal

$PART\ 1-MARKET\ RULE\ INFORMATION$

Identification	on No.: MR-00307-R02				
Subject:	Forecasts	Forecasts and Assessments			
Title:	Align Ma	arket Rules with IESO's Obje	cts Under the Ele	ectricity Act, 1998 - Definitions	
Nature of Pr	ature of Proposal: Alteration Deletion Addition				
Chapter:	11		Appendix:		
Sections:	ions:				
Sub-sections proposed for amending:					

PART 2 - PROPOSAL HISTORY - REFER TO MR-00307-R00

Version	Reason for Issuing	Version Date
Approved Amendment Publication Date:		
Approved Amer	ndment Effective Date:	

Provide a brief description of the following:

- The reason for the proposed amendment and the impact on the *IESO-administered markets* if the amendment is not made.
- Alternative solutions considered.
- The proposed amendment, how the amendment addresses the above reason and impact of the proposed amendment on the *IESO-administered markets*.

Summary

Refer to MR-00307-R00

Background

Refer to MR-00307-R00

Discussion

This amendment proposes to remove the definition of annual report since the IESO is no longer obligated to produce this long-term assessment.

It is also proposed to introduce a definition of the Ontario Power Authority (OPA) to clarify the respective roles of the IESO and the OPA with regards to ensuring the reliability and adequacy of electricity resources in Ontario.

PART 4 – PROPOSED AMENDMENT

annual report means a report prepared by the IMO pursuant to section 7.2 of Chapter 10;

OPA or Ontario Power Authority means the Ontario Power Authority established under Part II.1 of the Electricity Act, 1998;

PART 5 – IESO BOARD DECISION RATIONALE - REFER TO MR-00307-R00

Insert Text Here			



Market Rule Amendment Proposal

PART 1 – MARKET RULE INFORMATION						
Identification	ion No.: MR-00307-R03					
Subject:	Forecasts	s and Assessments				
Title:	Align Market Rules with IESO's Objects Under the Electricity Act, 1998 – Connection Assessments					
Nature of Proposal:				☐ Deletion		Addition
Chapter:	4 Appendix:					
Sections:	6.1.16					
Sub-sections proposed for amending:						

PART 2 - PROPOSAL HISTORY - REFER TO MR-00307-R00

Version	Reason for Issuing		Version Date
Approved Amendment Publication Date:			
Approved Ame			

Provide a brief description of the following:

- The reason for the proposed amendment and the impact on the IESO-administered markets if the amendment is not made.
- Alternative solutions considered.
- The proposed amendment, how the amendment addresses the above reason and impact of the proposed amendment on the IESO-administered markets.

Summary

Refer to MR-00307-R00

Background

Refer to MR-00307-R00

Discussion

This amendment proposes to delete section 6.1.16.6c that references the assessments under sections 7-9 of Chapter 10. This amendment is necessary since it is proposed, under MR-00307-R01, to remove those assessments.

It is also proposed to change all "IMO" references in Chapter 10 to "IESO" in keeping with the organization name change under Bill 100.

PART 4 – PROPOSED AMENDMENT

- 6.1.16 The **IMOIESO** shall process each request for connection assessment in accordance with the procedures referred to in section 6.1.14 and as follows:
 - 6.1.16.1 the **IMOIESO** shall, unless the request for connection assessment is withdrawn or deemed to have been withdrawn pursuant to the procedures referred to in section 6.1.14, conduct a *connection* assessment in respect of the subject-matter of the request for connection assessment in accordance with the procedures referred to in section 6.1.14:
 - 6.1.16.2 the **IMOIESO** shall provide to the *connection applicant* and to the applicable transmitter a copy of the report of the results of the completed *connection assessment* referred to in section 6.1.16.1;
 - 6.1.16.3 provided that the *connection applicant* has met the requirements of section 6.1.15, within such time as may be specified in the procedures referred to in section 6.1.14,
 - a. [Intentionally left blank]

- b. [Intentionally left blank]
- c. [Intentionally left blank]

the <u>IMOIESO</u> shall conduct a <u>connection assessment</u> in respect of the subject-matter of the <u>request for connection assessment</u> in accordance with the procedures referred to in section 6.1.14;

- 6.1.16.4 the *IMOIESO* shall provide to the *connection applicant* and the applicable *transmitter* a copy of the report of the results of the completed *connection assessment* referred to in section 6.1.16.3, together with notice of its approval or disapproval of the new or modified *connection* that is the subject-matter of the *connection assessment*;
- 6.1.16.5 the *HOIESO* shall advise the *Ontario Energy Board* of the results of the *connection assessment* referred to in section 6.1.16.3; and
- 6.1.16.6 provided that the *connection applicant* has, within such time or times following the date of completion of the *connection assessment* that relates to its *request for connection assessment* as may be specified in the procedures referred to in section 6.1.14, filed with the *IMOIESO* such confirmation or evidence, as the case may be and as may be specified in such procedures, of its intention to proceed with the new or modified *connection* that is the subject-matter of its *request for connection assessment*:
 - a. the *connection applicant* shall retain the priority allocated to its request for connection assessment; and
 - b. the <u>IMOIESO</u> shall include the results of such <u>connection</u> assessment in such subsequent <u>connection</u> assessment, conducted within the times specified in the procedures referred to in section 6.1.14, as may be appropriate; and.
 - c. the *IMO<u>IESO</u>* shall include the results of such connection assessment in the assessments referred to in sections 7 to 9 of Chapter 10, as may be applicable, conducted within the time specified in the procedures referred to in section 6.1.14.[Intentionally left blank section deleted]

PART 5 - IESO BOARD DECISION RATIONALE - REFER TO MR-00307-R00

Insert Text Here		



Market Rule Amendment Proposal

PART 1 – MARKET RULE INFORMATION					
Identification No.: MR-00307-R04					
Subject:	Forecasts and Assessments				
Title:	Align Market Rules with IESO's Objects Under the Electricity Act, 1998 – System Security and Planned Outage Reporting				
Nature of Proposal:		Alteration	☐ Deletion	Addition	
Chapter:	5		Appendix:		
Sections:	5.1.2, 6.2				
Sub-sections proposed for amending:					

PART 2 – PROPOSAL HISTORY - REFER TO MR-00307-R00

Version	Reason for Issuing	Version Date	
Approved Ame	ndment Publication Date:		
Approved Ame	ndment Effective Date:		

Provide a brief description of the following:

- The reason for the proposed amendment and the impact on the *IESO-administered markets* if the amendment is not made.
- Alternative solutions considered.
- The proposed amendment, how the amendment addresses the above reason and impact of the proposed amendment on the *IESO-administered markets*.

Summary

Refer to MR-00307-R00

Background

Refer to MR-00307-R00

Discussion

These amendments are proposed to:

- Remove the specific chapter references in section 5.1.2.11 of Chapter 5 because they are unnecessarily limiting; and
- Correct an error in the market rules regarding a reference to the 18-month assessment. Section 6.2.3 of Chapter 5 obligates the IESO to include outage information in the 18-month assessments referred to in section 7.3.1.2. These assessments are performed on a quarterly basis, not on a monthly basis as currently stated in this section.

PART 4 – PROPOSED AMENDMENT

5.1 Objectives and General Obligations

- 5.1.1 The objective of this section is to detail the procedures necessary to enable the *IESO* to ensure the *security* of the *IESO-controlled grid* in accordance with all applicable *reliability standards*.
- 5.1.2 In order to maintain the *security* of the *IESO-controlled grid*, the *IESO* shall:
 - 5.1.2.1 monitor the real-time operating status of the *IESO-controlled grid*;
 - 5.1.2.2 establish and *publish security limits* for all *facilities* that are part of the *IESO-controlled grid*;
 - 5.1.2.3 establish and *publish* criteria and margins to be used in the development of *security limits* and a process for reviewing and revising such criteria and margins;

- 5.1.2.4 establish available *transmission transfer capabilities* in accordance with all applicable *reliability standards* and manage the use of transmission in accordance with such *transmission transfer capabilities* and the *market rules*;
- 5.1.2.5 direct the operation of *facilities* that are part of the *IESO-controlled* grid within the appropriate security limits and in accordance with the applicable operating agreements;
- 5.1.2.6 direct any *market participant* to take or to refrain from taking any action necessary to maintain the *IESO-controlled grid* in a *normal operating state*;
- 5.1.2.7 act as the *control area operator* and as *security coordinator* for the province of Ontario and interact with other *control area operators*, *security coordinators* and *interconnected transmitters* as required to establish *security limits* and rules for interconnected operations including, but not limited to, entering into *interconnection agreements* with adjacent *control area operators*, *security coordinators* and *interconnected transmitters* that provide for interconnected operations, other than with respect to the physical *facility* and *equipment* requirements for *interconnections* which shall be the responsibility of *transmitters*. In the event of flows or exchanges of *physical services* across the *interconnections* or *interties* which are not directly attributable to the transactions of *market participants*, the *IESO* may provide for such exchanges through the sale or purchase of these *physical services* in the *IESO-administered markets*;
- 5.1.2.8 represent Ontario in the context of the work of *standards authorities* with respect to the *reliable* operation of the *IESO-controlled grid* and the *interconnected systems*, and the operation of the *IESO-administered markets*, other than with respect to the physical facility and equipment requirements for *reliability* of the *IESO-controlled grid* which shall be the responsibility of the relevant *transmitters*, *distributors* and *generators* as applicable;
- 5.1.2.9 investigate major operational incidents on the *IESO-controlled grid* and initiate plans to manage abnormal situations or significant deficiencies which, in the *IESO's* opinion, threaten the *reliability* of the *IESO-controlled grid*;
- 5.1.2.10 issue directions to *market participants* in order to manage *high-risk* operating states and emergency operating states; and
- 5.1.2.11 assess the future adequacy and security of the *IESO-controlled grid* in accordance with this Chapter, Chapter 7 and Chapter 10.

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6.2	Outage Planning
•••••	···
IESC	Obligation to Include Planned Outages in Weekly Assessments
6.2.3 PART :	The <i>IESO</i> shall include in the weekly assessments referred to in section 7.3.1.3 all <i>outages</i> planned or scheduled by <i>market participants</i> to occur in the immediately following 33 calendar days as reported or scheduled by <i>market participants</i> and shall include in the monthly quarterly assessments referred to in section 7.3.1.2 all <i>outages</i> planned or scheduled to occur in the immediately following 18 months as reported or scheduled by <i>market participants</i> . 5 – IESO BOARD DECISION RATIONALE - REFER TO MR-00307-R00



PART 1 – MARKET RULE INFORMATION

Market Rule Amendment Proposal

F				
Identification	ification No.: MR-00307-R05			
Subject:	Forecasts and Assessments			
Title:	Align Market Rules with IESO's Objects Under the Electricity Act, 1998 – Other Consequential Amendments			
Nature of Proposal: Alteration		□ Deletion	Addition	
Chapter:	10		Appendix:	

PART 2 - PROPOSAL HISTORY - REFER TO MR-00307-R00

Version	Reason for Issuing		Version Date
Approved Amendment Publication Date:			
Approved Amendment Effective Date:			

Sections:

1.1.3

Sub-sections proposed for amending:

Provide a brief description of the following:

- The reason for the proposed amendment and the impact on the *IESO-administered markets* if the amendment is not made.
- Alternative solutions considered.
- The proposed amendment, how the amendment addresses the above reason and impact of the proposed amendment on the *IESO-administered markets*.

Summary

Refer to MR-00307-R00

Background

Refer to MR-00307-R00

Discussion

This amendment proposes to clarify that one of the purposes of the Chapter 10 is to describe the procedures to be used to assess both the adequacy and security of the IESO-controlled grid (refer to section 1.1.3). The use of the term reliability captures the notion of both adequacy and security.

PART 4 – PROPOSED AMENDMENT

1. Introduction

1.1 Objectives of this Chapter and Interpretation

- 1.1.1 This Chapter of the *market rules* sets forth the terms and conditions under which the *IMO-IESO* will administer the collection and distribution of *transmission* service charges for transactions that use the *IMO-IESO*-controlled grid for the transmission of *energy* and *ancillary services*.
- 1.1.2 The *market rules* in this Chapter and Chapter 7 are intended to satisfy the requirements of section 27 of the *Electricity Act, 1998* that the conveyance of electricity into, through or out of the *HMOIESO*-controlled grid shall be pursuant to the *market rules*.
- 1.1.3 This Chapter sets forth procedures that the <u>IMO-IESO</u> and <u>market participants</u> will use to assess the <u>adequacy of generation facilities</u> and the <u>adequacy of the transmission systems</u> that comprise <u>reliability of</u> the <u>IMO-IESO</u>-controlled grid.

- 1.1.4 For the purpose of giving effect to the collection and *settlement* of *transmission services charges* contemplated in this Chapter 10, all references in section 6, other than section 6.2, of Chapter 9 to a *market participant* shall be deemed to include a reference to a *transmission customer*.
- 1.1.5 For the purpose of giving effect to the collection and settlement of transmission services charges contemplated in this Chapter 10, all references in Chapter 6 to a metered market participant shall be deemed to include a reference to a transmission customer.

PART 5 – IESO BOARD DECISION RATIONALE - REFER TO MR-00307-R00

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