



Market Rule Amendment Proposal

PART 1 – MARKET RULE INFORMATION

Identification No.:	MR-00417		
Subject:	Adequacy Reporting		
Title:	Adequacy Reporting Refresh		
Nature of Proposal:	<input checked="" type="checkbox"/> Alteration	<input checked="" type="checkbox"/> Deletion	<input checked="" type="checkbox"/> Addition
Chapter:	5, 7	Appendix:	
Sections:	Various		
Sub-sections proposed for amending:			

PART 2 – PROPOSAL HISTORY

Version	Reason for Issuing	Version Date
1.0	Draft for Technical Panel Review	April 21, 2015
2.0	Publish for Stakeholder Review and Comment	April 30, 2015
3.0	Submitted for Technical Panel Vote	May 26, 2015
4.0	Submitted for Technical Panel Vote	June 30, 2015
5.0	Recommended by Technical Panel; Submitted for IESO Board Approval	July 7, 2015
6.0	Approved by IESO Board	August 26, 2015
Approved Amendment Publication Date:	August 27, 2015	
Approved Amendment Effective Date:	The effective date will be after the completion of the IT upgrades to the existing adequacy reporting tool set which is expected in the first quarter of 2016, and will be specified by the Chief Executive Officer in a notice to all market participants.	

PART 3 – EXPLANATION FOR PROPOSED AMENDMENT

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

The IESO proposes to amend the market rules to incorporate proposed changes to adequacy reporting and publication.

This proposal is based on stakeholder consultation as part of the Adequacy Reporting stakeholder engagement initiative. Stakeholder participation has been positive and has contributed to the proposed changes.

Further information on the stakeholder initiative can be found on the IESO's website at:

<http://www.ieso.ca/Pages/Participate/Stakeholder-Engagement/Adequacy-Reporting.aspx>

Background

Please refer to the market rules amendment submission MR-00417-Q00:

http://www.ieso.ca/Documents/Amend/mr2015/MR_00417_MRA_Submission_%20v2_0.pdf

Discussion

Overview of Changes:

There are six reports impacted by the proposed amendment. The System Status Report (SSR) and Security and Adequacy Assessments (Daily SAAs, Weekly SAAs) provide information on adequacy, transmission limits and system messages for the current day (i.e. day 0) out to day 34. The Adequacy and Day-Ahead Adequacy reports provide Ontario's expected energy requirements and a summary of offers and bids submitted by market participants for the current day and the next day. The Generator Planned Outages report provides outage information aggregated by fuel type for the current day out to 33 days. Information from the existing reports will be combined to create the following new reports:

Adequacy Reports

This new report will combine the adequacy components of the existing SSR, SAA, Adequacy and Day-Ahead Adequacy reports, and will incorporate information from the Generator Planned Outages Report. The new Adequacy reports will provide forecasts with respect to each dispatch day for the current and next 34 days, published with the following frequency:

- Published daily for days 2-34 ;
- Published at 05:30 EST, 09:00 EST, after each successful run of the Day Ahead Commitment Process, and hourly after 15:00 EST for day 1; and
- Published hourly for the current dispatch day.

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Transmission Limits Reports

(i) All-in-Service Limits

This new report will contain the all-in-service transmission limits information currently reported in the SSR and Daily and Weekly SAA Reports. The report will be published daily and provide forecasts of all-in-service transmission limits for each of the next 34 days.

(ii) Outage Limits

This new report will contain the transmission limit information currently reported in the SSR and Daily and Weekly SAA Reports, taking outages into consideration. The report will be published at the following times:

- Published daily for outages occurring or planned to start during days 3-34 of a 34-day period; and
- Published hourly for outages occurring or planned to start on the current dispatch day (day 0) and the following two days (days 1 and 2).

System Messaging Reports

Under the existing process, a message related to a material change in the information in a previously published SSA/SSR report triggers an update to the applicable report for any day that is impacted. Under the proposed process, material events that occur between the regularly scheduled reports will not trigger an update to the reports. Instead, timely notification will be provided through a new system messaging report to alert market participants of the event. If a system message is related to information that is included in the new adequacy or transmission reports, the corresponding information will be published on a subsequent regularly scheduled report.

Proposed Market Rule Amendments Details and Rationale

The following changes are required to Chapters 5 and 7 of the market rules:

Chapter 5

Section 6.2.3 – This section currently obligates the IESO to include outages that have advance approval in the weekly SAA reports. The publication of weekly assessments is being replaced with a new adequacy report published daily for a 34 day period. It is proposed to amend section 6.2.3 to obligate the IESO to include outages with advance approval in the new daily adequacy assessments.

Section 7.1.1 – Subsections 7.1.1.2 and 7.1.1.3 currently obligate the IESO to publish hourly demand forecasts on a daily basis for the next 14 days and on a weekly basis for the period covering days 15-34. These obligations are currently met through the daily and weekly SAA reports respectively. The new adequacy report will consolidate the existing reports and publish demand forecasts on at least a daily basis for the next 34 days. It is proposed to delete section 7.1.1.3 and amend section 7.1.1.2 to reflect the new obligation. The publication on day 1 may be more frequently than daily, as obligated in Section 12.1 of Chapter 7.

Section 7.3.1 – Subsection 7.3.1.3 currently obligates the IESO to publish reliability assessments on a weekly basis for days 15-34 of a 34 day period, and subsection 7.3.1.4 obligates the IESO to publish reliability assessments on a daily basis for the next 14 days. These obligations are currently met through the weekly SAA for the period covering days 15-34 and the daily SAA for the next 14 days. The publication of weekly assessments is being replaced with new adequacy and transmission

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assessments published at least daily for a 34 day period. It is proposed to delete section 7.3.1.3 and amend section 7.3.1.4 to obligate the IESO to publish reliability assessments on at least a daily basis for the next 34 days. The publication on day 1 may be more frequently than daily, as obligated in Section 12.1 of Chapter 7.

Section 7.4.3 – This section defines the content of the current weekly SAA while section 7.4.4 defines the content of the current daily SAA. Under the new reporting structure, the timeframe currently covered by the weekly SAA will have more frequent, daily publishing, consistent with the reports under section 7.4.4. Therefore, it is proposed to delete this section and consolidate duplicate reporting requirements into the daily reports referred to in section 7.4.4. Since the current section 7.4.3.2 contains details not currently included under section 7.4.4, it is proposed to move this section to new section 7.4.4.3.

Section 7.4.4 – This section defines the content of the current daily SAA. It is proposed to amend this section to reflect the new reporting obligations:

- **Section 7.4.4.1** – It is proposed to amend/add subsections for the new adequacy report and the two new transmission limits reports, in order to better align the market rules to the actual reports. Proposed new section 7.4.4.1.1 represents the new adequacy report. Transmission capacity has been deleted and reworked into the proposed new section 7.4.4.1.2 which will represent the new report on transmission limits (all elements in service), and proposed new section 7.4.1.1.3 which will represent the new report on transmission limits (outages). It is also proposed to add operating reserve into new section 7.4.4.1.1 to reflect the intended content of the new adequacy report.
- **Section 7.4.4.3** – This new section will contain the relevant content from deleted section 7.4.3.2.

Sections 7.7.5 and new Section 7.7.7 – Currently, a material change will trigger an update to the existing reports. Section 7.7.5 enables these updates to any of the reports under 7.3.1. Under the new process the publication of the new daily reports will be at specific scheduled times and material changes will not trigger an update to the daily reports. Instead, material changes will be communicated through a new system messaging report and the information will be included in a subsequent scheduled daily report, if applicable (i.e. if the report contains the content related to the information change). It is proposed not to amend section 7.7.5 since it provides an enabling function rather than an obligation, and it is proposed to add new section 7.7.7 to provide information on the system messaging of material changes. This new section is subtitled “Advisory Notices,” consistent with the advisory notices in Section 12.1 of Chapter 7.

Chapter 7

Section 5.5.3.8 – This section obligates the IESO to release the most recent system status report pursuant to section 12.1. Although the timeframe of the existing SSR is being replaced with the new reports, the obligation to publish the information will remain in 12.1. It is proposed to delete section 5.5.3.8 since the obligation is duplicated in section 12.1.

Section 12.1 – This section currently applies to the SSR and contains three subsections: section 12.1.1 outlines publication times of the SSR, section 12.1.2 outlines the content of the SSR, and section 12.1.3

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discusses advisory notices which are currently released as messages embedded in updates to the SSR. Under the new process, the existing SSR will be replaced with regularly scheduled reports of adequacy and transmission limits (both all-in-service and outage limits) as well as new system messaging reports. The advisory notices will no longer be published as updates to the reports, but instead will be published as separate system messaging reports, and the corresponding information will be included in a subsequent scheduled adequacy or transmission report, if the information is applicable to those reports.

Section 12.1.1– It is proposed to delete the existing report publication times from 12.1.1 and replace them with new subsections 12.1.1.6, 12.1.1.7 and 12.1.1.8 which will provide the publication timing for the new adequacy report, transmission limits all-in-service report, and the transmission limits with outages report. Obligations from section 12.1.2 will be incorporated into the new sections in section 12.1.1. Since the same adequacy and transmission report templates are used as the reports obligated by section 7.3.1.4 of Chapter 5, this section has comparable content obligations.

Section 12.1.2 – It is proposed to delete the report content and incorporate it into sections 12.1.1 and 12.1.3, where applicable, as follows:

- Section 12.1.2.1 – Delete this section and incorporate the obligation into new section 12.1.1.8.
- Section 12.1.2.2 – Delete this section, as operating reserve will be included in the new adequacy reports in section 12.1.1.6.
- Section 12.1.2.3 – Delete this section as demand will be included in the adequacy reports in section 12.1.1.6.
- Section 12.1.2.4 – Delete this section as the new reports will not include information specifically for intermittent, transitional or self-scheduling generators. These generator categories are a diminishing market participant class, and will be included as “other” resources in the new reports.
- Section 12.1.2.5 – Delete this section as reliability must run resource information will not be included in the new adequacy reports. This information will be published through the system messaging reports, in accordance with section 12.1.3.
- Section 12.1.2.7 – Delete this section as ancillary service information will be included only in system messaging reports, in accordance with section 12.1.3.
- Section 12.1.2.8 – Delete this section as over generation and under generation will be included in the system messaging reports, in accordance with section 12.1.3
- Section 12.1.9 – Delete this section as shortfall in operating reserve will be included in the system messaging reports, in accordance with section 12.1.3.

Section 12.1.3 – This section currently applies to advisory notices that are published through updates to the SSR. It is proposed to amend this section such that the IESO will publish these advisory notices as new system messaging reports:

- Section 12.1.3.1 – Amend this section to remove “load”. Since the new reports will be published with increased frequency, it is considered unnecessary to publish a system message report for changes in load.
- Section 12.1.3.2 – Amend this section to add information on reliability must-run resources being directed to submit bids or offers. This information was previously included in the SSR reports under section 12.1.2.5. In future, this information will be included in the new system messaging reports when applicable.

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Section 12.1.4 – This new proposed section will allow for information in the system messaging reports to contribute to a subsequent scheduled adequacy or transmission report, if applicable.

Section 12.1.5 – This new proposed section is comparable to existing section 7.6.1 of Chapter 5 which allows the actual reports to be in the format specified in the market manuals.

PART 4 – PROPOSED AMENDMENT

CHAPTER 5

6. Outage Coordination

6.2 Outage Planning

IESO Obligation to Include Planned Outages in ~~Weekly-Daily~~ and Quarterly Assessments

6.2.3 The *IESO* shall include in the ~~weekly-daily~~ assessments referred to in section ~~7.3.1.3~~7.3.1.4 all *outages* which have *advance approval* and are planned to occur in the immediately following 33 calendar days as reported or scheduled by *market participants*. The *IESO* shall include in the quarterly assessments referred to in section 7.3.1.2 all *outages* planned or scheduled to occur in the immediately following 18 months as reported or scheduled by *market participants*.

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 – section deleted]

7.1.1.2 on a daily basis, a forecast of *demand* for each of the ~~14~~34 days following the current day, by hour; and

7.1.1.3 ~~[Intentionally left blank – section deleted] 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.

7.1.1.5 [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 forecast referred to in section 7.1.1.4, be included in the reports referred to in section 7.3.1.2.

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*.

7.3 Advance Assessments of System Reliability

7.3.1 The *IESO* shall 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 *reliability* assessments:

7.3.1.1 [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 ~~[Intentionally left blank – section deleted] 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;~~

7.3.1.4 on a daily basis, and not later than 17:00 EST on each day, an assessment covering a ~~fourteen~~thirty-four-day period commencing on the following day; and

7.3.1.5 as required, an assessment of the *reliability* of the *IESO-controlled grid*.

7.3.2 Any information derived from the *security* and *adequacy* assessment process shall be used to provide a basis for informing *market participants* about expected conditions on the *IESO-controlled grid* and in the *IESO-administered markets*. It

is expected that the information will trigger appropriate responses under other market processes, such as *outage* coordination, and transmission investment planning.

7.4 Purpose of Assessments

7.4.1 [Intentionally left blank – section deleted]

7.4.1.1 [Intentionally left blank – section deleted]

7.4.1.2 [Intentionally left blank – section deleted]

7.4.1.3 [Intentionally left blank – section deleted]

7.4.1.4 [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 *reliability* of the regional power systems to match generation and *demand*.

7.4.3 ~~[Intentionally left blank – section deleted]~~ ~~The *IESO* shall conduct the weekly assessments referred to in section 7.3.1.3 to:~~

~~7.4.3.1 to 7.4.3.3 [Intentionally left blank – sections deleted] 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 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:

~~7.4.4.1.1 expected hourly demand, generation capacity and transmission capacity, energy capability of generation facilities, exports and imports of energy, and operating reserve requirements;~~

~~7.4.4.1.2 expected transmission limits with all elements in-service; and~~

~~7.4.4.1.3 expected transmission limits with outages;~~

~~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 reliability of regional power systems to match generation and demand, on a daily and hourly basis, particularly in peak seasons and in peak hours; and

7.4.4.3 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.

7.5 Information Requirements

7.5.1 Each *market participant* shall, for the purpose of enabling the IESO to perform the *reliability* 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 Reliability 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 – section deleted]

7.7 Updated and Related Reports

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*.

Advisory Notices

7.7.7 The *IESO* may *publish* notifications in the event of changes that occur between scheduled *publication* times of the assessment reports referred to in section 7.3.1.4, in accordance with the applicable *market manual*. Where applicable, the corresponding information shall be included by the *IESO* in a subsequent *publication* of a scheduled report under section 7.3.1.4.

CHAPTER 7

5. The Pre-dispatch Scheduling Process

5.5 Release of Pre-dispatch Schedule Information

5.5.1 The *IESO* shall release the initial *pre-dispatch schedule* and associated projections of *market schedules* and shall publish *market prices* by 16:00 EST of each *pre-dispatch day*, and shall release any revised *pre-dispatch schedules* and projections of *market schedules* and shall publish *market prices* as soon as practical after they are determined. The information to be released to *market participants* is described in this section 5.5.

5.5.2 For each *registered facility* that is a *boundary entity*, a *dispatchable load facility* or a *dispatchable generation facility* in respect of which a valid *bid* or *offer* for at least one *dispatch hour* of the applicable *dispatch day* has been submitted, the *IESO* shall release the following information only to the *registered market participant* for that *registered facility*:

5.5.2.1 the pre-dispatch schedule for that registered facility;

5.5.2.2 the projected market schedule for that *registered facility*; and

5.5.2.3 [Intentionally left blank]

5.5.2.4 any requirement of that *registered facility* to submit an *offer* or *bid* under a *reliability must-run contract* and the expected scheduled use of that *registered facility* under *contracted ancillary service* contracts.

5.5.3 The *IESO* shall release to all *market participants* the following information for each *dispatch hour*:

5.5.3.1 total system load and total system losses;

5.5.3.2 area *operating reserve* requirements;

5.5.3.3 [Intentionally left blank]

5.5.3.4 projected hourly *energy* shortfalls;

5.5.3.5 aggregate *reliability must-run resources* being directed to submit *offers* or *bids*;

5.5.3.6 any area *operating reserve* shortfalls;

5.5.3.7 a list of the network constraints and *security* constraints that affect the *pre-dispatch schedule*;

- 5.5.3.8 ~~[Intentionally left blank – section deleted]the most current system status report prepared pursuant to section 12.1;~~
- 5.5.3.9 the projected uniform market prices of *energy* and *operating reserves* in the *IESO control area*; and
- 5.5.3.10 the projected market prices of *energy* and *operating reserves* in each intertie zone outside the *IESO control area*.

12. Status Reports, Advisories, and Protocols

12.1 IESO System Status Reports and Advisory Notices

12.1.1 The *IESO* shall *publish*, in addition to the daily assessments specified in section 7.3.1.4 of Chapter 5, system status reports ~~with respect to each *dispatch day* at the following times to:~~

12.1.1.1 ~~to 12.1.1.5~~ [Intentionally left blank – sections deleted] ~~15:30 EST of the day two days prior to the *dispatch day*;~~

~~12.1.1.2 05:30 EST of the *pre-dispatch day*;~~

~~12.1.1.3 9:00 EST of the *pre-dispatch day*;~~

~~12.1.1.4 any time of the *pre-dispatch day* subsequent to 9:00 EST if there is a material change to the information in the previous system status report for the *dispatch day*; and~~

~~12.1.1.5 any time during the *dispatch day*, for the current and remaining *dispatch hours* of the *dispatch day*, if there is a material change to the information in the previous system status report for such *dispatch hours*.~~

12.1.1.6 provide forecasts, with respect to each *dispatch day*, as projected for future *dispatch hours* and as estimated for the current *dispatch hour*, where appropriate, of expected hourly demand, generation capacity, energy capability of generation facilities, exports and imports of energy, and operating reserve requirements, published at the following times:

12.1.1.6.1 05:30 EST of the *pre-dispatch day*;

12.1.1.6.2 09:00 EST of the *pre-dispatch day*;

12.1.1.6.3 after each successful run of the day-ahead commitment process, of the *pre-dispatch day*;

12.1.1.6.4 after 15:00 EST, and hourly thereafter, of the *pre-dispatch day*; and

12.1.1.6.5 hourly on the *dispatch day*;

12.1.1.7 provide forecasts of expected transmission capacity with all elements in-service, *published* daily, as soon as practicable; and

12.1.1.8 provide forecasts of expected transmission limits with *outages*, for the *dispatch day* and the two days following the *dispatch day*, *published* hourly on the *dispatch day*.

12.1.2 ~~[Intentionally left blank – section deleted] Each system status report shall contain information on the following variables, as projected for future *dispatch hours* and as estimated for the current *dispatch hour* where appropriate:~~

~~12.1.2.1 to 12.1.2.9~~ ~~[Intentionally left blank – sections deleted]~~ ~~deviations in transmission *facility* ratings from normal values;~~

~~12.1.2.2~~ ~~minimum *operating reserve* requirements by area;~~

~~12.1.2.3~~ ~~total system load;~~

~~12.1.2.4~~ ~~total system generation from intermittent generators, transitional scheduling generators and self-scheduling generation facilities;~~

~~12.1.2.5~~ ~~the total MW of *energy* being directed to submit *bids* or *offers* from the aggregate of *reliability must run resources* under *reliability must run contracts*;~~

~~12.1.2.6~~ ~~[Intentionally left blank – section deleted]~~

~~12.1.2.7~~ ~~extent of any expected *contracted ancillary service* shortfalls;~~

~~12.1.2.8~~ ~~extent of any expected over generation or under generation; and~~

~~12.1.2.9~~ ~~extent of any expected shortfall in *operating reserve*.~~

12.1.3 If required, the IESO shall *publish*, in accordance with the applicable *market manual*, ~~a system status report shall contain~~ advisory notices as follows:

12.1.3.1 a major change advisory if a major change in expected ~~load~~, *generation capacity* or *transmission capacity* has occurred since the last system status report was issued;

- 12.1.3.2 a system advisory if the *IESO* expects over-generation, under-generation or shortfalls in *operating reserve* or *contracted ancillary services*, or an advisory of the total MW of energy being directed to submit bids or offers from the aggregate of reliability must run resources under reliability must run contracts. Any system advisory shall indicate the actions the *IESO* intends to take if the market does not or cannot respond sufficiently to eliminate the problem;
- 12.1.3.3 a system emergency advisory if the *IESO* expects an *emergency operating state* or a *high-risk operating state*. Any such system emergency advisory shall indicate the actions the *IESO* intends to take if the market does not or cannot respond sufficiently to eliminate the problem; and
- 12.1.3.4 a market suspension advisory or market resumption notice if the *IESO* is suspending or resuming operation of all or part of the *IESO-administered markets*.

12.1.4 Where applicable, the corresponding information related to the advisory notices in section 12.1.3 shall be included by the *IESO* in a subsequent publication of a scheduled report under section 12.1.1.

12.1.5 The reports referred to in section 12.1.1 and 12.1.3 shall be prepared by the *IESO* in such form and shall contain such information as may be specified in the applicable market manual.

PART 5 – IESO BOARD DECISION RATIONALE

The amendment incorporates changes to adequacy reporting and publication, and promotes the timely release of non-confidential market and system information to all participants.