## Market Renewal Program Feedback Form

## Market Renewal – Final Alignment Documents – June 7, 2024

## Feedback Provided by:

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To promote transparency, feedback submitted will be posted on the Implementation Engagement webpage unless otherwise requested by the sender.

The Independent Electricity System Operator (IESO) is seeking feedback from stakeholders on the Final Alignment batch of Market Rules and Market Manuals amendments.

**Please submit feedback to** <u>engagement@ieso.ca</u> **by August 6, 2024.** If you wish to provide confidential feedback, please mark the document "Confidential". Otherwise, to promote transparency, feedback that is not marked "Confidential" will be posted on the engagement webpage.

Chapter 1 – Sent July 15, 2024	
A.1.4	<ol> <li>Please use either "in effect before" or in "effect prior" for consistency</li> <li>Is "in effect" an appropriate term in relation to "breach, noncompliance offense or violation"?</li> <li>As a follow up to the above, what will be the treatment if a breach, for example, straddles the timeframe of transition and the new rules affect the breach itself.</li> <li>Add ";" at the end of A.1.4.3</li> <li>Replace "," with ":" at end of A.1.4.4</li> <li>See comment re "Interpretation Bulletins" below</li> </ol>
A.1.5	Section A1.4.3 describes "breach, non-compliance, offence or violation" whereas A1.5. refers to "investigation, proceeding or remedy" - these are not the same. Please clarify in terms of what is "described" in subsection A.1.4.3
8.1.1.3	Can the IESO confirm that  "facsimile" is still an acceptable  (and preferred?) means of  communication in terms of available  communication infrastructure. If not  consider updating where relevant.  See deletion in Ch 8 for TRs
10A.2.1	Replace ";" after 1998 with ","
10A.3	OPA no longer exists as an entity. Consider revising.
12.1.5	Can the IESO comment on the status of IBs in the new market. Are they considered part of market manuals? Some IBs comment on market rules and will be impacted by MRP.

Chapter 2 – Sent July 15, 2024	
B.1.1	What is the criteria for data sufficiency? Is it a certain number of days or billing cycles?
	2. A "billing period" is a period of calendar month. Can you confirm if the three most recent periods will include invoiced transactions or most recent transactions. For extra clarity, if MRP is live on May 1, 2025 how is the 3 billing period determined?
1.2.2.7	I think "has disclosed to the" was deleted in error? If not, further changes are required to correct wording.
3.1.2	Italicize "application for authorization to participate" in 3.1.2
4.1.4	Fix reference
4.1.11	What about 4.1.6 and 4.1.8 – these should be added as items that can be disputed by a participant.
5.2.5 5.2.7A	The change from "section" to "s." doesn't seem to be consistently applied in 5.2
5.2.3	Word "section" is duplicated in last line.
5.1.3	This section 5.1.3 is very confusing and difficult to understand as to what is applicable. Consider if there is a way to make it easier to read.
5.2.8	Confirm there are Market Rules that obligate the IESO to send such notice ("notice

	-fall
	of the exercise by the
	IESO") along with
5.0.40	applicable timelines.
5.3.12	Remove comma after
	physical transaction.
	Makalanguaga anniatant
	Make language consistent between "for physical
	transactions" and "in respect
	of physical transactions"
5.4.1	Confirm there is clarity of
0.4.1	treatment of market
	participants who are also
	"virtual traders". Do the
	"virtual traders" have to have
	an active virtual position or
	only be registered as a
	"virtual trader"?
A	The word "thereof" was
	deleted in 5.5.1.1 a).
	Consider deleting in 5.5.1.2.
	as well
5.2.10	Propose to move this to 5.1,
	rather than at the end.
5.3.2	With the deletion of "at least
	7 business days", what is the
	applicable period for
	submission of a trading limit.
5.3.4.1	Change first "that" to "the"
5.3.4	Confirm that this limit will
	use "energy market billing
	periods" that are in effect
	prior to the implementation of MRP
5.3.6	Is there a need to add for the
0.0.0	"remainder of the current",
	given that 5.3.6.2 refers to
	the limit that is already in
	effect for the current period?
5.3.7	Does this deletion mean a
	participant can request to
	change its trading limit?
5.3.8.2	Does this apply to retailers as
	per 5.2.10?
5.3.8A	Confirm this section is also
5.3.3B	rendered unusable as per
	removal of PBC functionality.

5.3.10A.1	Suggest clarifying that is for "all hours" in a. Also is a. needed if there is no b.? Suggest combining into one.
5.3.10A.3	Shadow prices are not subject to +/-MMCP. As such, there may be significant distortions in both positive and negative direction. Suggest implementing a cap.
5.3.11	There is an extra "," or an extra "and".
5.3.12	Extra "," after "transactions"
5.6.1 5.6.5 5.6.7	It is difficult to assess applicability of subsections in 5.6 in relation to "virtual trading" as some sections are qualified as "not a virtual trader", others" not an energy trader" and "authorized to conduct virtual transactions".
	Please confirm these qualifiers are used appropriately. What does it mean "to be authorized" as compared "to be a"
5.8.6.3	Confirm "transactions for energy" is not "physical transactions for energy" as elsewhere in this chapter.  Confirm the three previous billing periods will extent into the current market (as in are not reset at MRP)
5C.1.6	"For virtual transactions" appears twice. Consider removing first instance for clarity.
5C.1.7	Is this to mean that the IESO will establish this amount each "billing period" (i.e., each month?)

5C.1.9.1 There are two terms in	
brackets and one referen	CB
to a single value. As there	
-	
no b. consider combining	5
into one.	
5C.1.9.2 "Interim price delta" is no	
used anywhere else in th	
chapter. What is the purp	ose
of defining it here?	
a. Shadow prices are no	t
subject to MMCP	
b. Can you clarify c.	
Assuming more recei	nt
data will be weighted	
more, please add	
language to clarify. A	.so
explain what is the "c	ata"
referred to in c.	
And "or" in b.	
5C.1.10 5C.1.11 should refer to d	ata
5C.1.11 being published as soon	as
it's modified as per 5C.1.	10,
rather than "annually" as	the
modification can be more	9
frequent.	
5C.1.12.3 Move the "and" from 12.4	1 to
5C.1.12.4 12.5	
5C.1.12.5	
5C.1.12.6 What is referred to as "th	е
status of a virtual" trader	? –
consider expanding or	
defining the term.	
5C.1.13 Extra "," after "for virtual	
transactions". Consider	
rewording "shall apply wi	th
effect from" with "the	
effective date of the" to	)
align with the next senter	
5C.2.2 Replace ";" with "." At en	
section.	a 01
5C.3.3 Shadow prices are not	
· ·	
subject to MMCP	
5C.4.1 The time is prescribed in	
"5C.4.2" not "5C.4.3"	
5C.6.1 Confirm "the most recen	tsix
energy market billing	

8.2.3.2  8.6.1.1  The market participant agrees to pay to the IESO forthwith on demand all reasonable costs, charges, expenses and fees (including, without limiting the generality of the foregoing, legal fees on a solicitor and clientsubstantial indemnity basis) of or incurred by or on behalf of the IESO in the realization,	periods" will include period before MRP is implemented.  Shouldn't this section be in 5D given that it assumes that category of participants (both virtual and physical?)  Please explain why this section was deleted.  The default is presented as an "or" for real-time "or" day ahead, but the process below becomes an "and".  Please confirm the equation is appropriate in terms of either delineating between or including both markets. For example what is the "net transaction dollar amount" in terms of the two markets?  Insert space after "Ch.5 s.12"  Can the IESO comment on the significance of this edit, if any?
recovery or enforcement of the <i>prudential support</i> provided by the <i>market</i> participant and enforcement of the rights and remedies of the <i>IESO</i> under the  market rules or at law or in equity in respect of the participation by the market  participant in the real-time market and the day-ahead market.	
3.1.3	Use of both "market
4.1.5	participant" and "person" to refer to the same entity
4.1.5	How long does the IESO have to issue the extension?
5.3.3	"Energy market billing period" is not defined in Ch 11
5D.3.2	Consider defining consolidated margin call to distinguish from margin call
5D.4.2	Is there sufficient clarity elsewhere in the MRs what happens if this timeline is not met?

Chapter 3– Sent July 15, 2024	
2.2.1.8	Remove "and" in 2.2.1.8
2.2.1.9	Replace "." With ";" in 2.2.1.9
2.2.1.10	
2.2.1.11	
2.2.3	Could the IESO confirm the
2.2.3.9	language change means that
	IRP will be subject to Section
	2, as per 2.5.1A.4H
2.5.1A.4H	What type of notification will
	the IESO provide to
	participants when it registers
	reference levels/quantities
	following an IR
2.6.9	Change "him or her" in 2.6.10
2.6.10	to "the mediator" and
2.6.11	"arbitrator" in 2.7.16 and
2.7.16	2.7.17 for consistency
2.7.17	
6.5.1	6.5.1 refers to the
6.5.2	deregistration of a "facility"
	and refers to "resources" as
	long as they are associated
	with a "facility". 6.5.2 and
	following sections refers to
	"facilities" OR "resources",
	implying a resource can be
	deregistered without a
	deregistration of a facility.
	Please explain if a resource
	can be deregistered and
	update 6.5.1, if so.
6.6.6B.1	Change ";" to ":" after
6.6.6B.2	"follows"
	Add "; and" to 6.6.6B.1

Chapter 4 – Sent July 15, 2024	
7.3.1.2	Explain what is the situation where a facility is not associated with any resources in this context.
Appendix 4.1.15	Missing italicization of a lot of terms here: "market participant", "resource" etc
B C	Use "providing" or "that provides" for consistency.
	Confirm this is not adding incremental obligation to report at a unit level.
(b) any embedded electricity storage participant (i) that is not a market participant or whose embedded electricity storage facility is not a registered facility;associated with any resources;; (ii) whose embedded electricity storage facility includes an electricity storage unit with an	Remove extra ";"
4. Base Point	Remove "," before "providing regulation".  Shoud "unit" be pluralized (or add "fore each unit") as there may be more than one unit that provides regulation for each "facility associated with a resource"
4.1.2	Embedded facility is not defined. Embedded Market Participants Is defined in terms of a facility.
5.1.2	Consider defining "compliance monitoring" and "performance testing"
3.1.3	Not a defined term, I believe storage participant is
3.1.1 7.3.2A	The Appendices are 4.20 to 4.40. Also in these appendices there are references to medium

	performance standard and high performance standards (not to minimum). It is not clear what defines minimum vs medium etc. Consider adding more specificity
6.1	I don't think either terms
6.1.1	connecting market participant
6.2	or connected market
6.2.1	participant are defined.
	Please define in Ch11

Chapter 5 – Sent July 15, 2024	
3.5.1.5	Correct font in b.
4.5.2A	Previous language was
	based on CAOR rules. The
	new language only speaks to
	implementation of voltage
	reductions and 30R
	decreased requirements –
	can the IESO confirm that
	the new approach replacing
	CAOR is adequately
	captured elsewhere in MR in
	terms of process.
8.4.1	The period of applicability is
	unclear. Specify how long
	can the compensation be
	applied for.
	Are 8.4.1.4 and 8.4.1.5 done
	at an interval resolution? If
	so, clarify.
	What if the compensation as
	defined in the last section is
	higher than the MWP and/or
	the balancing credit. Will the
	participant receive the delta
	or those intervals will not be
	subject to a compensation
	calculation altogether.
12.1.3	Correct font in a. and b.

1.1.2	The net injection of withdrawal of the facility as a whole can be much different than the net injection or withdrawal at the resource level. Can the IESO confirm the appropriateness of this change
1.3.2	Confirm the unit of application is at the "unit" rather than the "facility" level. Also elsewhere the unit of application was "resource" rather than "unit".
12.1.3.2	Please confirm this is defined. See comments on these terms in Ch 4
6.2.2A	Quarterly and weekly advance approvals are defined terms

Chapter 6 – Sent July 15, 2024	
Chapter 7 - Previously submitted based on MSO batch. Sent April 24, 2024	
1.2.2	While I understand the
	applicability of "integrated
	fashion" when applied to a real
	time energy and OR markets (i.e.,
	joint optimization), does this term
	make sense across Day Ahead
	AND real-time. These are distinct
	markets with integrated Energy
	and OR, but not integrated across
	all four bullets.
	NA/Inc. in C.D. Ale and ale and a second in a second
	Why is OR thought as comprised of "physical transactions". I
	understand the distinction to
	"virtual" but perhaps there is
	more appropriate terminology for
	reserve, which is a stand by
	product.
1.6.1	The MMCP is a defined term. I
1.6.1.1	propose the definition is repeated
1.6.1.2	here rather than coming up with
1.6.1.3	new language.
1.6.1.4	

	The MORP is a defined term. I propose the definition is repeated here rather than coming up with new language.  Also, if the "by the IESO board" is a change to MMCP and MORP, propose language is added to Chapter 11 definitions as it exists for "Settlement floor price for energy"
	Correct ";" to a "." For 1.6.1.4
variable generation means all energy that is supplied by a variable generation wind and solar photovoltaic resources with an installed capacity of 5M wind and solar photovoltaic resources that are directly connected to the grid;  variable generator means a generator whose generation facility is class generation;	Can we confirm that variable generation resource is defined. Seems there is a term missing in the latest revision of Ch 11
1.6.2	These were subject to public consultation. Check if IESO Board is appropriate and/or additional language should be added to describe the process and participant engagement.
1.6.3	What is a "lamination volume limit"?
1.6.4	Why "for a given dispatch day".
1.6.4.1 1.6.4.2	Wouldn't the same apply even if it is for a given "hour"? Propose
1.6.4.3	"during a given dispatch day"
	I don't think "administrative pricing" is defined – "administrative price" is
1.6.6	Use defined terms or at least use "calculation engines". Is it issuance or publication?
	What is an example of such information?
2.1.1.4	In case there is an active dispute when the new market is operationalized, what reference levels will the IESO use – should

	that passibility be recognized in
	that possibility be recognized in the market rules.
0.4.0	
2.1.3	I don't understand 2.1.3.3's
2.1.3.1	reference to "in the case of a
2.1.3.2	distribution system" when 2.1.1
2.1.3.3	refers to "facility embedded
2.1.3.4	within a distribution" system.
	Propose to correct or clarify.
	·
	Even if corrected to include
	"facility embedded within a
	distribution", confirm the 1MW
	applies (if its embedded)
	Change "not exceeding" to
2.2.6A.2	limited to the number of. Current
	wording suggest the value has to
start indication value means the minimum quantity of energy in MW that	be less then the number of units,
scheduled to determine whether the <i>generation units</i> associated with the	
one or more of the submitted maximum number of starts per day;	
/ -	Not clear if starts will increment
maximum number of starts per day is means the number of times that	once the schedule is again lower
started within a dispatch day;	
	than the number
2.2.6A.3	Add "and" after ";"
2.2.6A.4	Add and arter ,
2.2.0/1.4	Clarify if these forbays need to be
	-
	linked, as the timelag is only a
	feature of the linked forebay
	Consider adding specificity in
	terms of which forebays are
	referenced here.
2.2.9	What is the reason for removal of
2.2.9.1	"commissioning generation
2.2.9.2	facility" while 2.2A still states "in
2.2.9.3	accordance with section 2.2".
2.2A	Now section 2.2 doesn't have any
2.2A.1	made mention of commissioning.
2.2A.1 2.2A.2	made mendon of commissioning.
2.2D.6	NA/I
2.2.11	Why is the word "associated"
	deleted? The term resources is
	not mentioned in the first part of
	the sentence and therefore the
	term "those resources" is
	unclear – what resources is this

2.2.19	Could you explain why changing
2.2.19	to a DL required 180 days in
2.2.20	•
	comparison to the 75 days for any
	other direction of change on the
	load side (including from a DL to
	NDL or PRL)
	2.2.20 adds confusion in relation
	to 2.2.19.2 which gives a 75 day
	window.
2.2.21	Where is the "resource specific
	information" listed (see Deletion
	of Ch 9). Also, isn't there a further
	requirement as to what some of
	the information is to actually
	contain – see definition
2.2A.2	requirements.
Z.ZM.Z	Why does 2.2A.2 use the term
	"generation facilities associated
	with a self-scheduling generation
	resource" while applied to
	"commissioning generation
	facility" rather than the term "self-
	scheduling generation facility",
	which is already defined based on
	a "self-scheduling generation
	resource"
2.2A.1	Why does 2.2.A.3 refer to
2.2A.2	participation in the day ahead or
2.2A.3	real time markets, whereas
	2.2.A.1 refers to participation in
	only the real time market.
3.1.12	3.1.12 and 3.1.13 refer to
3.1.13	instances when an ADE is not
3.1.14	established, meaning its not set
0.1114	whereas 3.1.13 speaks to an
	increase presumably from a set
	value. Seems like 3.1.14 need to
	be amended to reflect an
	approval of something more than
	an increase to cover section
	3.1.12/13
3.2.1	Are "day-ahead market
	submission window", "day ahead
	market restricted window" and
	"standing dispatch data" defined
	terms?

3.2.4	In what case will the IESO use
3.2.5	3.2.6 (most recent dispatch data)
3.2.6	in the context of 3.2.4 which
	states the IESO will approve
	submission within a window. Is
	this saying that if the IESO DOES
	NOT approve as per 3.2.4, the
	IESO WILL then use the data
	submitted before 10:00 EPT on
	the day prior?
	, p. 100 in a 100 in
	It is not very clear with the current
	wording
	wording
	Is EPT deliberate, where EST is
	used elsewhere?
3.2.5	In IESO's response to OPG
	comment on 3.2.5, the IESO
	indicated that the language
	should not only reflect IESO's
	inability to "receive dispatch
	data", but also a participant's
	ability to "send information". The
	_
	current language does not reflect
	this dual mode of failure and
0.00	should be updated.
3.3.2	"on a resource" or "for a
	resource"?
	What is the difference between a
	revision to dispatch data and
	revised dispatch data.
	What is the significance/intent of
	this section?
3.3.1	Change ";" to ":"
3.3.3.2	What is the significance of the
	reference to market manual? In
	what circumstance will the MM
	allow for a revised ADE?
	Is the intent of this statement that
3.3.3.4	a GOG-eligible resource
	scheduled in DA can not increase
	SNL and can not increase the
	prices for quantities up to MLP
	from the last DA offer price?
	Hom the tast DA oner price:

	1
	If so, suggest clarifying as "above
	the latest offer price
	corresponding to this quantity"
	Explain rationale for not changing
3.3.3.7	offers for hours when a resource
	has NOT received a commitment?
3.3.3.8	Why is the term "latest offer"
	used in 3.3.3.7 and "its energy
	offer prices" in 3.3.3.8
A	Explain what does "b" require? An
В	example would be useful
3.3.3.10	a) relates to time and b) to a
0.0.0.10	quantity
	quantity
	explain how a and b are applied
	with an example
3.3.41	Assuming these are "and"
0.0.41	
	conditions, apply same
	nomenclature as elsewhere using
	"; and"
3.3.41	Can the resources be a part of a
	different facility? If so, what is the
	definition of "without delay".
	Does this relate to a shared
	forebay definition?
3.3.6	What "quantity" is being
	referenced in relation to "poses
	risk"?
3.3.6.1	Explain the last sentence in
3.3.6.2	regards to referring changes to the
3.3.6.3	MSP. What criteria will the IESO
	use? Is this applicable only to
	section 3.3.5
В	Change ";" with "." For c)
C	,
3.3.7.4	What is "certain daily dispatch
	data" referring to and what is the
	applicable market manual?
3.3.8.1	Is this applicable to (iv) or to 3.3.8
3.3.8.2	Consider rewriting as a separate
5.0.0.2	section
	5551011
	Clarify what is "change in
	_
	quantity" and under what
	circumstances.
	Why is the MSP flagged here given
	that this section is titled

	"obligation to Revise Dispatch
	Data"
3.4.1.1	What is referred to here as "the
	appropriate"?
3.5.6.2	What is referred to by "dispose of
	excess energy"
3.5.15.3	Clarify that it is not the sum of the
	submissions, but rather the sum
	of all MHOs for each hour in a
	given day
3.5.16	Reword "expects to be
	necessary" in terms of what is
	expected to be necessary
3.5.22.6	Are there any defined terms in
3.5.22.7	3.5.22.6?
	Replace ";" with "." In 3.5.22.7
3.5.22.7	There is no further explanation as
3.5.25	to what is expected from a
	thermal state submission in
	3.5.35
	Are both of these needed?
3.6.2	Why was "for each class of OR"
3.6.2	deleted? There are 2-5 PQ pairs
	for each class – see 3.6.1
3.6.3	Clarify "by a corresponding".
3.0.3	There can be up to 20 energy
	offers and 5 OR offers. Consider
	rewording for clarity
	Proposes to inject "energy"?
3.6.5	Troposes to inject energy :
0.0.0	Where are the extra requirments
	re 10N and 30R as per below
	flagged
	If required, enter your Reserve Load Point for the applicable hour(s).
	The Reserve Loading Point specifies the minimum generation level in the generator can provide its maximum operating reserve of the class
	This information allows the IESO to simultaneously schedule energy a for the generator.
	Market Participant Reserve Load Point Options
	Generator • This field must be greater than 0 who
	spinning OR.  This field must be set to 0.0 when of
	spinning OR.
	This field can be left empty or set to minute spinning OR.
	Load, Importer, Exporter This field can be left empty or set to 0.0
	Bid/Offer Submission Information  View → Expand All   Collapse All   Clear Hours   Copy Hours   ☐ Detach
	Submit/Cancel   P/Q Pair ID   1   2   3   4   5
	P/Q Pair ID 1 2 3 4 5 Price 60 60 70 100
	Quantity 0 5 20 22

3.6.6	Isn't the submission of the RLP in itself sufficient to govern the DSO. It may be hard for participants to track this. In other words, why submit an RLP if the participant then is expected only to offer if RLP is not an issue?  Is it practicale for participants to
	remove OR offers based on a PD energy run, as subsequent runs the energy schedule may be above RLP. In essense same point as above, isn't the RLP there to help participant not needing to micromanage offers?
3.9.2 3.9.2.1 3.9.2.2 3.9.3.3 3.9.4.4	Is the use of EST/EPT particulary for 2.2 and 2.3 deliberate?
3A.1.4.1  balance interchange accounts with other <i>control area operators</i> )	I don't see "intertie meter" as a defined term, only "intertie metering point". Connected is not a defined term, "connect" is.
IESO's best estimate of the maximum flow on the single transmit to an intertie zone may reflect the integrated power system's limit capability to supply and export energy to an intertie zone and agraeighbouring transmission system without scheduling imported supply the exported energy; and	circumstances will the IESO use
3.A.1.43	Propose "that represents" instead of "to represent"
3A.1.5	"reliable" is not a defined term.  Should it be "contingency event" (not "events" plural) which is defined as a failure of single or multiple components?
	What practice is referred to by the statement "IESO's commitment to neighbouring trnamission systems for regulation"?
3A.1.6 3A.1.6	Why is "demand forecast" not inlouded in "forecast data" in 3A.1.7?

4.3.1 4.4.1	"DAM calculation engine" is not a defined term, although day-ahead market and DAM are both defined. Would be less confusing if only one is used.  IESO's feedback stated that notification will take the form of "DAM notification" on IESO's website as per MM4.1. S7.2.  Suggest language reflects means of notification or at a minimum states "in accordance with the MM"
4.7.2.2	What is the "forecast period" in this context? Is it a longer period than the "for the next dispatch day"? If not, consider removing or clarifying
4.7.5	Can you provide an example of how these prices will be published.
4.7.6	Can you provide an example of how the "summary of hours related to global market power" will be published.
4.8.1	"Publish" is a defined term but "issue" is not. I assume the distinction relates to publishing broadly vs. providing specifically on a participant basis. Consider defining "issue" for consistency
4.8.1.8	Could you provide an example of the information that will be provided
5.1.2	What is the definition of "materially incorrect"? This is confusing as PD will be issued every hour. Clarify what is meant here in reference to "the previous PD schedule"?
5.1.3	Consider adding specificity related to these being locational prices, and/or Ontario zonal price etc

5.8.2.13	What is the difference between
	"actual" and "forecast" in the context of PD
5.8.3	Consider adding "as per" in
	order to point to the part of the MR
	where this expansion request
6.1.2	"two minutes before" seems very precise. Consider making a more
	flexible statement.
6.2.1.2	6.2.1.3 is missing the "action" i.e.,
6.2.1.3	shall be set etc as it is a distinct
	entry from 6.2.1.2
6.6.1.6	What is meant by "the total
	energy and operating reserve in
6.6.2	real time schedules"?
0.0.2	Clarify with an example. This indicates a single set for 12
	intervals rather than 12 runs.
	What is the exact application
6.6.2.4	What is meant by "total energy
	from such operating reserve"?
6.6.4	I don't think "trading date" is a
6.6.5	defined term, "trading day" is.
0.0.5	Can you elaborate on what this is. Will this be given on a participant
	resolution? What is the definition
	of "significant". What is meant to
	"result of the real-time
	calculation". Can you provide an
	example and discuss the
	frequency being at least once a month. What happens if there are
	no such instances in a given
	month?
6.7.1.1	What is meant by "for each
6.7.1.2	dispatch interval"? Clarify that
	each 5 minutes will issue data for
	one interval at a time, rather than balance of intervals for the entire
	hour
	How often will "the schedule to
	provide contracted ancillary
	services" be issued
6.7.3	What "ancillary services" are
6.7.3.1	included in 6.7.3.2?
6.7.3.2	

7.1.1B1	Propose to add "issued a release
7.1.101	Propose to add "issued a release
	notification for that resource" as
	at a participant level there may be
	multiple release notifications for
	other resources.
7.1.6	Why was "best effort" notionall
	lowered to "reasonable effort"?
	Does the IESO expect a different
	level of ability to provide these
	advisories? If not, best effort
	should remain as the goal.
7.2.1	Same as above, "best effort"
	should be the aspirational
	standard. Also is "cosistent with"
	well defined? "Closely
	approximate" is more clear.
7.2.1A.3	"Failure of a resource to follow
7.2.1A.3	dispatch" is a very low bar to have
	the IESO not comply with 7.2.1.
	Propose language is added to
	qualify the subset of instances
	where not following dispatch by
	one resource would cause the
	IESO to not comply with 7.2.1
7.2.5	Same comment re "reasonable"
	vs "best effort"
7.2.5A	The original language stated that
7.2.5A.1	the IESO may issue instructions
7.2.5A.2	that depart from the pre-dispatch
7.2.5A.3	schedule.
7.2.5A.4	
7.2.5A.6	The new language states that the
	IESO doesn't have to issue
	instrucitons altoghether.
	modulations attagned for
	That is a material difference and I
	don't understand why the IESO
	woulnd't issue ANY instruction if,
	The state of the s
	for example, a resource fails to
	follw dispatch instructions
	(7.2.5A.3)
	(7.2.5A.3) Consider reinstating original
	(7.2.5A.3)
	(7.2.5A.3) Consider reinstating original language.
	(7.2.5A.3) Consider reinstating original language. Aso clarify that this section
	(7.2.5A.3) Consider reinstating original language.

7.2.5A.6	Isn't NISL violation respected in
	the calc engine? A bit surpirsed
	that a schedule would violate it in
	the first place.
7.3	7.1.1A captures dispatchable
7.3.1	loads and as such section 7.3.1.2
7.3.1.1	is not accurate in terms of its
7.3.1.2	reference to "additional energy
7.3.1.3	production". See 7.4.2
	Also consider rewording 7.3.1.3
	replacing "same" with a more
	descriptive language.
7.3.4.2	Confirm boundary enetiry receive
	a ramp rate indication as
	described here.
7.4.2.1	Please comment on how 7.4.2.1
7.4.6	and 7.4.6 are related ensuring
	that there isn't overall over-
	collection as both of these items
	are reductions to revenues under
	the same condgition.
7.5.2	Currently there are two
	documents that speak to
	compliance with dispatch – an
	Interpretation Bulletin and a
	Statement of Approach. It will be
	much better if the IESO issues
	one, clear document outlining
	expectations and means of
	assessment (data source, meter
	type etc)
7.5.3	Applying language at the resource
	level, takes us further from the
	compliance aggregation model
	that allows for resources to meet
	dispatch at an aggregate level.
	Please comment on how
	compliance aggregation is
7.5.9	contemplated here.
7.5.5	Is the appropriate unit of application the resource or the
	facility?
7.8	
	Is publicaiton of data adressed in another section?
7.8.1	Should state "determine and
8.3.1	issue" if "issue" is a term
	issue is a term

	acycring instances when IECO
	covering instanses when IESO
	shares confidential information
	with a market participant (see
	prior note).
8.4A.5.1	It is unclear what priority would be
8.4A.5.2	used by the IESO to use one of
8.4A.5.3	more of these ways of
8.4A.5.4	Determining administered prices.
8.4A.5.5	It is also unclear why there are so
	many options.
	Will locational prices be
	consistent with the source as to
	how they were derived. Or
	different approached can be
	applied to each location? How
	can participants validate the
	approach used?
8.4A.7	The IESO should add language in
0.47(.7	terms of determining and issuing
	Economic Operating Point and
	any other relevant information in
	-
	accordance with a specified
	timeline (reference to 6 BD in
0.04	8.3.1)
9.2.1	Is the IESO expecting contracted
	ancillary services to be provided
	at a resource level (rather than a
	facility)?
9.4.5	Why are DA MWPs included in the
	"not entitled" provision given that
	the reduction of active power is a
	real time phenomenon?
	Also what if the reduciton is only
	partially causing the MWPs (as in
	there are other reasosn why the
	MWP is being received). Suggest
	this laguage is updated to reflect
	only the MPWs that is associated
	with the event.
10.1.7	It is unclear what constitutes a
10.1.7.1	type of "failure to follow dispatch"
10.1.7.2	in terms of materiality that would
10.1.7.3	warrant the IESO to not issue a
10.1.7.4	start up notice. Same comment
	was made previosuly in terms of
	clarity in regards to what

	constitutes singificant instance of
	not following dispatch.
10.2.6.3	I can't tell if the 's' has been
	inadvertantly deleted?
10.3.3	Could the IESO confirm that the
10.3.4	use of different ways to specify
	the relevant resource (GOG-
	eligible vs Dispatchalbe Gen that
	is a non quick stat and not
	Nuclear) is intentional. An
1.1.0.0D	example would be useful.
1.1.2.2B	"Intermittend generators" should
	be its own category and "any generator" a new item
	Split into 11.1.2.2 and 11.1.2.3
11.1.1.2	"embedding facility" is not a
	defined term. Consider defining it
	for clarity.
11.2.1	Please confirm that with the
	deletion of the two hour
	reference, a quick start resourse
	would have NO obligation to
	notify the IESO as long as it
	received an instruction.
	Please describe how this will work
	from a timing perspective. If the
	first instruction is received at the
	top of the hour for example, the
	applicable resource may need to
	have already synchronized. Again,
	questioning the timing aspect of
	having the have achnowledged an
	instruciton as a pre-condition to synchronize.
	Syncinorize.
	Also in the context of
	"synchronize to embedding
	facility", is the notion of dispatch
	instruction (which indicates
	dispatchability) appropriate in the
	context of "embedded gen",
	which doesn't receive a dispatch?
11.2.2A	What is a "proposed
	synchronization plan"?

	Diagon synland on the
	Please expland on the
	significance of the plan and as to
44.0.4	what that encompasses.
11.2.4	How is "receit of the notification"
	established?
	Could you cross-reference the
	"any applicable provisions
	relating to over-generation
	dispatch". It is important for
	generators to have a clear
	understanding as to when the
	IESO may require de-synch
11.2.4A	Should there be a corresponding
	section in the precedding section
	that specifies that a resource may
	request approval that will be
	conditional on 11.2.4A. This
	section speaks to an ability but it
	is unclear under what
	circumstances a participant may
	ask for such approval in the first
	place.
11.2.6	Whereas the synchornizaiton plan
	was limited to "non-quick start
	resources", this section applies to
	all generators. Can you clarify
	how this applies to "quick-start",
	preticualrly given the condition
	that getting an instruciton is
	sufficient to synchronize. Is there
	a synchronizaiton plan specific to
	a "quick start" resource? If not
	consider, revising and limiting to
44.0.44	"non-quick start"
11.3.1A	Based on the definition of GOG-
	eligible resource, does it make
	sense to incldue " or
	embedding facility"?
	Is there a significance of the
	pluralziaiton of "dispatch
	instructions" – does a resource
	have to receive at least two such
	mave to receive at teast two such
	inatructiona? Canaidar praviding
	instructions? Consider providing an example.

11.3.2	Deleted language specified "at
	least one hour", whereas new
	language is "one hour". Calrify if
	"at least one hour" still applies
	and if not, what is the flexibility
	that must exsit as participatns
	won't be able to notficy exactly
	one hour in advance.
11.3.4	Please clarify how this process
	will work for "quick start"
	resources. If the resource needs
	to notify five minutes in advance
	(see 11.3.1) and the IESO has 5
	minutes to accept, then there is
	an obvious possibility that there
	will be lack of clarity by the time
	the resource needs to take action.
	Or, is 11.3.4 specific to non-quick
	start as it speaks to a "plan". See
	comment on needing to define
	what such plan is. If the latter
	consider, limiting to the relevant
	resource.
11.3.7	How does this work for "quick
11.0.7	start" resources, given the 5
	minute window? See comment
	above.
11.4	There is a material difference
11.4.1	between "de-synchronize" and
110-761	"to not synchronize"
	to not synomomize
	Isn't the IESO's ability to requrest
	desynch for reliability already
	captured in other sections?
	captared in other sections.
	Isn't the "to not synchize"
	covered in the above sections
	which give the IESO the right to
	reject approval in all possible
	cases?
	Cases:
	As per above I do not think this
	As per above, I do not think this
	section is required unless it
	section is required unless it
	introduces a new case – please
	introduces a new case – please explain.
	introduces a new case – please

	resource". Is this different than the "genertor capability" report
	which is an after the fact report?
12.1.1.6	What is the significance of the use
A	of EPT in a. on days prior and EST
В	in d. ?
C	
D	Is the ";", supposed to be a ","?
E	
12.1.3.2	What is the significance of "or an advisory of the total MW of energy being directed to submit"  Seems there would be duplication of advisory notices – is that intentional?
12.2.1.1 12.2.2.1	Inconsistency of "to increase demand" as compared to "that
	will reduce demand". Recommending to align.
	Also I don't think the definition of "response" (italization of defined term) is what is captured in the Chapter 3 definition which is the basis of the defined term.  Remove italisization
13.2.4.4	Consider changing "implement" to "enact" or "execute"
13.5.1	I don't see "market operations" as
13.1.1	a defined term in Ch 11. Therefore the deletion in 13.1.1 is innapropriate as it leaves the term undefined.
13.6.2	Given the locational nature of the prices, will the IESO also validate revenue sufficiency as it relates to instances when these prices are not sufficient to cover participant costs at a locational level. (see comment re: locational nature of administered prices)

19.9A.1.2	Correct font size
21.4.2	Italisize "offer" in i)
	Could you clarify if non
	complinace with 21.4.2 will result
	in further action than the forgoing
	of DA and RT MWPs described in
	21.4.3

Chapter 8 – Sent July 15, 2024	
2.0.1	The language here squarely puts this on "software inadequacies" and in my understanding compels the IESO to corrects these. This is a different than the explanation relating to underutilization and little value of PBCs. Please confirm the intent when it comes to PBCs
А	Remove italics for the "a" in "and"
2.1.3.1 2.1.3.2	Confirm if the application is hour, interval or both and align language.
3.6.1	"All settlement hours" should be time bound by some qualifier - e.g., "in an auction", "applicable" etc
4.10.3	I understand the removal of this language. But am curious if additional language is required to navigate through market renewal. Is the first short term auction in the new market, for example, held on May 1 to May 15 given a MRP implementation date of May 1? In other words is there a need to define the start of the new process following the "market transition date" as in 4.12.1
3.12.1.3	With the removal of "hour flows", there is no clarity on the unit of disclosure. Will the energy scheduled for injection or withdrawal be an hour quantity?

3.13.10	See comment on applicability of
	"facsimile" in other sections of
	the market rules. Is this removal
	of such means of communication
	extending to other sections?
3.19.2	There is some difficulty in
	following the cross references
From chapter 9	between Ch 7 and 9 in terms of
3.8.2	how the TR process will take
the <i>transmission right settlement</i> credit <i>settlement amount,</i> in <i>settlement hour</i> 'h' ("DAM_NECR <sub>h</sub> ") shall be calculated as follows:	place.
$DAM\_NECR_h$	For example, is the" amount of
- " .	the day-ahead market net
$= \sum_{k}^{I} [(DAM_{Q}SW_{k,h}^{i} - DAM_{Q}SI_{k,h}^{i}) \times DAM_{P}EC_{h}^{i}]$ $- \sum_{l} [TRSC_{k,h}]$	external congestion residual" in
$-\sum_{K}[TRSC_{k,h}]$	3.8.2 parallel to the process
	described in 4.19.2? If it is, it
	should be cross-referenced.

Chapter 9 – Partial Sent July 15, 2024		
2.1.4	Is the replacement of facility with resource appropriate as a facility and its relationship to RWMs is different at that level vs. the resource level. There may be multiple resources for each facility.	
2.2.6	"Connection station service" is a defined term whereas "connection service" isn't. Confirm the appropriateness of the deletion of the word "station"	
2.9.12.2	I am not convinced the addition of the word "uplift" is appropriate.  "Hourly uplift" is a defined, term but the word "uplift" isn't. On the IESO website, there is a distinction between uplifts and the IESO fee for example. The additional word "uplift" therefore may change and limit the AQEW settlements amount included in the reimbursement as compared to in today's market.	
2.4.6 2.4.6.1 2.4.6.2	Trying to understand the use of 'm', 'c' and 's' which are referred to as "locations" in 2.4.6 and then as	

	"registered wholesale meters" in 2.5.2. Similarly in 2.4.6 there is a
	reference to a facility "k/m", "k/c" and "k/s" whereas in 2.5.2 the reference is to a resource using a different location of the ' – 'k'/'m'
	etc.
	Are these the same or the meaning is dependent on the use?
2.13 2.13.1	How will the IESO determine eligibility in the context of this provision? Was there a comparable provision in the current market?
2.14.2 A B	Confirm the IESO can indeed determine ALL of the real-time market settlement data using only real-time data.
Α	Lower case "C" in commencement
A	I am not sure of the
6.8	appropriateness of the reference
6.8.1	to "in accordance with section
	6.8", because section 6.8 itself
	limits the timelines with subsections that do not include
	B1.2 (see 6.8.1)
В	Market transition completion date
	is not a defined term. Remove
	italicization of "date".
For greater certainty, this provision does not alter the timelines set out in section	Not sure what "operation of
6.3.3, and following the operation of section (b), the relevant timelines will return to as they are stated in section 6.3.14.	section (b)" means. Consider re-
as they are stated in section 6.5.14.	wording.
2.5.1	I am bit uncertain if it is
2.5.1.1	appropriate to define the metering
2.5.1.2	point by talking about arithmetic
	manipulation of metering data. I
	think there has to be more clarity
	as to what the point is and then
	some additional language that
	explains that the reading at such
	points are adjusted in order to
	represent metering data as if

	obtained at the point. Consider
	changing and clarifying further.
2.5.2	Is the first reference to "registered
2.3.2	wholesale meter" intentional? If
	so, how is it different than the
	registered wholesale meter 'm', 'c'
	or 's' – I alsp don't see instances of
	wholesale meter "c" or "s"
2.10.1	What is the "any other
2.10.1	information" contemplated here?
2.11.4	Why is the qualifier "practicable"
2.11.4	added here? The settlement data
	is key for participants to shadow
	settle. I do not think it is a good
	practice to add undefined terms
	that allow the IESO to delay
	sending the data for unclear
	reasons. I do not support the
	added language.
2.14.1	Can the IESO confirm that the
	admin prices (given that they are
	not locational and seem to be
	subject to a different more
	complex process) will be available
	in time for the calculation of the
	PS. If not clarify how and when
	participants can expect settlement
	based on Admin prices.
3.1.6	I have made this point previously in
	regards to AQEI, which has the 't'
	subscript indicating it's an interval
	reading. Dividing by 12 in my mind
	is not appropriate. The hourly (only
	h subscript) terms need to be
	divided by 12 precisely because
	it's an hourly quantity that needs to
	be represented at the interval level,
3.1.1	Re: "for each settlement hour"
3.1.6	Can the IESO clarify what
	resolution will participants receive
	their itemized settlement file at -
	an interval or an hourly resolution?
	The current AQEI based settlement
	and associated data files is
	provided at an interval resolution.
	Is this changing? If so, how will
	participants assess accuracy at

	the interval level for their metering data?
3.1.6	Why is HPTSA presented as one
	term? A delivery point and an
	intertie point are distinct in nature
	and are applied at the resource
	level, not the participant level.
	Similar to the question above, why
	aren't these formulas presented in
	a manner consistent with how they
	will appear on settlement
	statements. For extra clarity,
	separate formulas for delivery
	points and intertie metering points
	will make comprehension easier.
3.2.2	LFDA should be defined ("LFDA")
3.2.3	the first time it appears.
3.10.4	
5.1.1.4	"generator offer" is not a defined
	term, so it's unclear what this
	means.
5.1.2.1	Defining terms within the chapter
	makes cross referencing to Ch 11
	difficult. Consider defining in Ch11
	if this will be used elsewhere.
	I don't see a definition or an
	explanation the abbreviation of
	EMFC either in Ch9 or Ch9
	Appendix. The terms is used
	frequently but is unclear as to what
	it stands for.
i.	I find this type of definition
	inconsistent with other definitions
	that state "for participant k, for
	interval t" etc. Here MAX_CAP is
	defined without any reference to
	time or unit of application which
	makes this definition not as good
	as it can be
i.	Missing an "is"
	A am also unclear as to what
	happens if the bid price is not at
	the MMCP? Is there an assumption
	that there will be a quantity with an
	associated MMCP price. Please
	clarify.

2.2.2	How in "in activated for a resting
3.3.2	How is "is activated for operating
3.3.2.1	reserve" defined. How many
3.3.2.2	intervals post activation will fall in
A	this category?
В	
3.3.3.2	It is very difficult to understand the
	intent based on formulas alone.
	Why did the IESO not capture the
	intent in words as well as formulas
	Also none of the subscripts are
	defined here
A	Inconsistent use of [ and ( in these
В	two formulas
	Inconsistent use of [ and { in
$DAM\_BCE_{k,h}^{I}$	formulas.
$= MAX\{0, \sum_{l=1}^{T} OP(RT\_LMP_h^{l,t}, Min(RT\_LOC\_EOP_{k,h}^{l,t}, DAM\_QSI_{k,h}^{l}), BE_{k,h}^{l,t})$	
$-OP(RT\_LMP_h^{i,t},SQEI_{k,h}^{i,t},BE_{k,h}^{i,t})\}/12$	Also inconsistency of formatting
	]\of Min and MAX
3.3.5.1	What is the "applicable LMP" in
3.3.5.2	this context?
	Also for multiple PQ pairs, are all
	offers that are "less than"
	adjusted to be the LMP. Please
	clarify.
3.4	3.4.1 refers to dispatchable
3.4.1	generator resources, whereas
3.4.1.1	3.4.1.2 refers to hydroelectric
3.4.1.2	generation resources, without
	qualification as dispatchable.
	-,
	It is also unclear what does it mean
	for a schedule to be greater than
	_
	an economic operating point as the
	term economic operating point is
	not defined and it also is not
	present anywhere else in this
	chapter (in those words)
3.4.3.1	This section is difficult to process.
	Assuming this means that an offer
	price (which may already be a
	substitution) that is less than \$0
	will be adjusted.
	I am not clear on what is meant by
	"ii the applicable DA LMP – can't
	tell what it's in reference to nor

	<del>                                     </del>
	what will be changed to the lower of 0 and the DA LMP. I assume the
	LMP can't change but it doesn't
	read that way. Please clarify
3.4.4.1	What is the rationale to exclude
	hours where the schedule is less
	than MLP. Is that assuming
	recovery will take place via 3 part
	offers (Start Cost). Confirm DSO
	will not schedule in a way where
	recovery will not take place based
2.4.4.2	on this condition.
3.4.4.2	Why is this qualified as "called for
A B	a generation resource or dispatchable resource" – based on
	the definition a called capacity
	resource has been called.
	If there is a temporal condition
	(called prior to receiving a
	schedule) define what it means to
	be called.
	What will be the visibility of "when
	the IESO restricts a transaction"?
	will the IESO publish a report to
	that effect?
3.4.4.3	Use consistent terminology
3.4.4.4	"during any settlement hour <b>S</b> " and
	"for any settlement hour".
	Clarify what does it mean "receives
	a minimum hourly output" – is that
	in reference to its schedule?
	Clarify what does it mean to
	"receive an hourly must run
	binding constraint" – how will a
	participant know if this condition is
0.4.4.5	met.
3.4.4.5	Confirm if such resources bid a cent less than MMCP then this
	condition doesn't apply? What is
	the logic for this condition as
	drafted?
3.4.4.6	Is "not operating as a pseudo-unit
	in hours in which they have a

	minimum constraint" a condition
	that will be known by participants?
	What is the definition of "minimum
	constraint" as it's not a defined
	term?
	term?
	What does it mean to be
	"consistent with combusting
	turbine commitment" and is the
	lack of reference to "steam
	turbine" (as mentioned in the first
2.4.5	part of the definition) intentional?
3.4.5 3.4.5.1	In previous section "and" was used instead of "or" – make consistent.
3.4.5.1	instead of of -make consistent.
	Is there a more formal definition of
	"hydroelectric generator resources
	that are not registered on the same
	forebay as one or more other
	hydroelectric resources" - may
	benefit from a definition in Ch11 if
	this concept is used elsewhere.
	tills collect is used elsewhere.
	Change "resource" to "resources"
	to be consistent.
	How will the comparison of sum of
	the quantity of energy scheduled
	(is that a clear term) and its Min
	DEL be executed? Will a
	participant be able to verify such
	comparison.
	Is "the minimum daily energy limit
3.4.5.2	of such forebay" well defined?
	Lassume the resources have to
	belong to the same participant?
	botong to the same participant:
	What is the logic that MWPs don't
	apply if the total schedule is at Min
	DEL. How does this ensure
	payment sufficiency at the
	resource level? Please clarify
3.4.6	Does "determined" mean
<del></del>	calculated and applied – as in
	eligible
	0.19.50

0.47	This should also soutous subisingula
3.4.7	This should also say for participant
	'k' for hour 'h'.
	Having said that, I am still not clear
	why this is presented by
	participant, rather than resource
A	What is "R" in b. in terms of the
В	summation. All types of OR?
	Why is the MWP presented as one
	calculation for both energy and
	OR? Will these not have separate
	charge codes, allowing
	participants to separate the two
	1 -
	(the four if we look at three classes
	of OR)?
A	Please confirm the
В	appropriateness of the -1x
3.4.8	application for these terms.
A	
В	
3.4.10	Why is this presented as a b.,
A	rather than in 3.4.10 as in the other
В	sections.
A	I don't understand what a. means –
В	is it a Boolean 1/0 if the number us
	equal to max starts per day or the
	actual number when that is the
	case. In any case, I think there is an
	"if" missing.
	ii iiiissiiig.
	Cimilarly for his this a Realean
	Similarly for b., is this a Boolean
	number based on "either" or
	"hydroelectric resource has not
	submitted". If so there is an "if"
	missing.
	Please clarify
В	IF 'f' is a set, how is that applied in
i.	FROP, which has no summation
ii.	over the set. Please clarify.
iii.	
3.4.13.3	The use of Not Attained Max Starts
A	is unclear – is it Not "Attained Max
	Starts" or "Not Attained Max
	Starts" – if the latter is that a
	Boolean or a number.
C	What does it mean to be "not
	within a start event"?

3.4.13.4	Where is the concept of s as a number if hours explained in a market manual. Is there assurance that s is not overlapping with the rest of the formulas for h.
3.4.13.5.3	Is all of this to ensure participants
A	will only receive a positive MWP rather than some other reason related to eligibility
General question regarding SEAL	Could the IESO explain the justification to not have "the payment for these settlements not paid out".
	The current process evaluates the appropriateness of CMSCs in relation to incurred costs and participants are able to engage in discussions on appropriateness of costs based on actuals.
	Why isn't the current process carried through?
	Has the IESO assessed impact of this change?

Chapter 10	
6.1.3.2	Does transmission delivery point need its own definition or is the definition of "delivery point" applied to transmission in a consistent way?