



IESO Charge Types and Equations

xxxxIssue 7.0
September 16, 2026~~April 1, 2026~~

This document is an excerpt of the CT&E Proposed Changes for Stakeholder Review: Intertie Offer Guarantee – Adjustments to Payment Conditions

Document Change History

Issue	Reason for Issue	Date
Refer to Issue 86.0 (IMP_LST_0001) for changes prior to Market Transition.		
1.0	Market Transition	November 11, 2024
2.0	Issued in advance of MRP Go Live – May 1, 2025	April 25, 2025
3.0	Updated in advance of Baseline 53.1	May 30, 2025
4.0	Updated for Baseline 54.0	September 10, 2025
5.0	Issued in advance of Baseline 54.1	November 17, 2025
6.0	Updated for Baseline 54.1	December 3, 2025
7.0	Updated for Custom Baseline; Adjustments to Real-Time Make-Whole Payments and OEB Uniform Transmission Rate Order	April 1, 2026
<u>xxxx</u>	<u>Excerpt of CT&E Proposed Changes for Stakeholder Review: Intertie Offer Guarantee – Adjustments to Payment Conditions</u>	<u>September 16, 2026</u>

2.2.2 Physical Market Charge Types and Equations

The following Table 2-4 describes the *charge types* and equations in the *physical market*.

Table2-4: Physical Market Charge Types and Equations

Charge Type Number	Charge Type Name	Market Rules Reference	Equation	Settlement Resolution	Cashflow	HST Tax Treatment within Ontario (%)	HST Tax Treatment for U.S., Manitoba, and Quebec Generation (%)	HST Tax Treatment for U.S. Load (%)	HST Tax Treatment for Manitoba and Quebec Load (%)	Comments
<u>1900</u> <u>MRP</u> <u>New</u>	<u>Real-Time</u> <u>Make-Whole</u> <u>Payment – Lost</u> <u>Cost for Energy</u> <u>(RT MWP –</u> <u>RT ELC)</u>	MR Ch.9 s.3.5.8, and 3.6	<u>Boundary Entity Resources – Imports</u> <u>Import transaction dispatched with a reason code associated with manual dispatch out-of-merit, or reason code associated with pre-dispatch pricing discrepancy when RT IOG eligibility has been declared:</u> <u>$RT_ELC_{k,h}^t = -1 \times \{OP(RT_LMP_{k,h}^t, Max(SOE_{k,h}^t, DAM_QSI_{k,h}^t), BE_{k,h}^t) -$</u> <u>$OP(RT_LMP_{k,h}^t, Max(RT_LC_EOP_{k,h}^t, DAM_QSI_{k,h}^t), BE_{k,h}^t)\} / 12$</u> <u>Import transaction dispatched with a reason code associated with a pre-dispatch pricing discrepancy when the IESO has not declared RT IOG eligibility:</u> <u>$RT_ELC_{k,h}^t = -1 \times \{OP(Max(RT_LMP_{k,h}^t, PD_LMP_h), Max(SOE_{k,h}^t, DAM_QSI_{k,h}^t), BE_{k,h}^t) -$</u> <u>$OP(Max(RT_LMP_{k,h}^t, PD_LMP_h), Max(RT_LC_EOP_{k,h}^t, DAM_QSI_{k,h}^t), BE_{k,h}^t)\} / 12$</u>	<u>Interval</u>	<u>Due MP</u>	<u>N/A</u>	<u>13</u>	<u>N/A</u>	<u>N/A</u>	
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1927 MRP new	Real-Time Intertie Offer Guarantee (RT_IOG)	MR Ch.9 s.3.6	$RT_IOG_{k,h}^t = Max[Potential_IOG_{k,h}^t - IOG_Offset_{k,h}^t, 0]$ Where:	Hourly	Due MP	N/A	13	N/A	N/A	

Charge Type Number	Charge Type Name	Market Rules Reference	Equation	Settlement Resolution	Cashflow	HST Tax Treatment within Ontario (%)	HST Tax Treatment for U.S., Manitoba, and Quebec Generation (%)	HST Tax Treatment for U.S. Load (%)	HST Tax Treatment for Manitoba and Quebec Load (%)	Comments
			$IOG_Offset_{k,h}^i$ = the real-time intertie offer guarantee settlement amount offset for market participant 'k' in settlement hour 'h' in respect of intertie metering point 'i', and calculated as: $IOG_Offset_{k,h}^i = OFFSET_MW_{k,h}^i \times IOG_RATE_{k,h}^i$ and where: i. $IOG_RATE_{k,h}^i = \frac{Potential_IOG_{k,h}^i}{(\sum^T SQEI_{k,h}^{i,t} - DAM_QSI_{k,h}^i)/12}$ ii. $IOG_RATE_{k,h}^i$ shall be zero if $DAM_QSI_{k,h}^i$ is greater than or equal to $SQE_{k,h}^i$; and iii. $OFFSET_MW_{k,h}^i$ = the offset quantity of an eligible <i>energy</i> import transaction scheduled in the <i>real-time market</i>, as determined in accordance with MR Ch.9 s.3.6.5. b. $Potential_IOG_{k,h}^i = (-1) \times Min [0, \sum^T OP (RT_LMP_h^{i,t}, SQEI_{k,h}^{i,t}, BE_{k,h}^{i,t}) - \sum^T OP (RT_LMP_h^{i,t}, Min[SQEI_{k,h}^{i,t}, DAM_QSI_{k,h}^i], BE_{k,h}^{i,t})]/12$ And where: i. $IOG_RATE_{k,h}^i = Potential_IOG_{k,h}^i / (\sum^T Min(RT_LC_EOP_{k,h}^{i,t}, SQEI_{k,h}^{i,t}) - DAM_QSI_{k,h}^i)/12$ ii. $IOG_RATE_{k,h}^i$ shall be zero if $DAM_QSI_{k,h}^i$ is greater than or equal to $Min(RT_LC_EOP_{k,h}^{i,t}, SQEI_{k,h}^{i,t})$ iii. $OFFSET_MW_{k,h}^i$ is the offset quantity of an eligible energy import transaction scheduled in the real-time market, as determined in accordance with section 3.6.6. iii. $OFFSET_MW_{k,h}^i$ = the offset quantity of an eligible <i>energy</i> import transaction scheduled in the <i>real-time market</i>, as determined in accordance with MR Ch.9 s.3.6.5. iv. $Potential_IOG_{k,h}^i = (-1) \times Min [0, \sum^T OP (RT_LMP_{k,h}^{i,t}, Min (RT_LC_EOP_{k,h}^{i,t}, SQEI_{k,h}^{i,t}), BE_{k,h}^{i,t}) - \sum^T OP (RT_LMP_{k,h}^{i,t}, Min [Min (RT_LC_EOP_{k,h}^{i,t}, SQEI_{k,h}^{i,t}), DAM_QSI_{k,h}^i], BE_{k,h}^{i,t})]/12$							

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