

Pre-Emptive & Partial Curtailments and CMSC

Inter-Jurisdictional Standing Committee
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- At our last IJT session a member inquired about the IESO building an after the fact “query tool” to eliminate instances where participants are made ineligible for CMSC when partially curtailed with the TLRe code
- This is a widely known deficiency in our tools, and the CMSC is reinstated largely through the NOD process.
- This process is only applicable to exports, as imports will remain whole through their IOG

- An export is constrained on by the DSO in Predispatch
- The transaction is then constrained off at check out or in real time with a TLRe, MRNh, OTH code
- The TLRe, MRNh and OTH codes make the Market Schedule = Constrained Schedule
- When a transaction is partially constrained, this removes the eligibility for CMSC for the remaining MWs

PARTIAL	Market Schedule	Constrained Schedule	CMSC
Pd-1 (AUTO)	0	200	YES
Real Time		100	
Because of TLRe	100	100	No
Eligibility	0	100	YES

FULL	Market Schedule	Constrained Schedule	CMSC
Pd-1 (AUTO)	0	200	YES
Real Time		0	
Because of TLRe	0	0	No
Eligibility	0	0	No

- This situation could also arise with the use of pre-emptive curtailments
(http://www.ieso.ca/imowebpub/200910/IJT-20090730-Notes_with_comments.pdf)
- If the need for pre-emptive curtailments arises due to an external TLR
 - Based on Pd-2, the IESO will curtail transactions with a TLRe to approximate the curtailments expected by the external TLR
 - At the same time we apply a maximum constraint to the remaining exports with a TLRe code.

- An export transaction is automatically constrained on by the DSO in predispatch 2 hours out
- The transaction is then max constrained with a TLRe
- The TLRe code makes the market schedule equal to the constrained schedule
- This could eliminate eligibility for CMSC

	Market Schedule	Constrained Schedule	CMSC
Pd-2 (AUTO)	0	200	YES
Max constraint		200	
Because of TLRe	200	200	No
Pd-1 Result	0	200	Yes
RT (not curtailed)	200	200	No
Eligibility	0	200	YES

- Without pre-emptive curtailments, price changes or a TLR curtailment to this transaction, the transaction would have had this Pd-2 schedule as it's dispatch schedule and would have been eligible for CMSC.
- The IESO is making an assessment based on Pd-2, on what will be able to flow due to the external TLR, therefore the participant should be brought back to their Pd-2 market schedule.

	Market Schedule	Constrained Schedule	CMSC
Pd-2 (AUTO)	0	200	YES
Max constraint		200	
Because of TLRe	200	200	No
Pd-1 Result	100	200	Yes
RT (Because of TLRe)	200	200	No
Eligibility	0	200	YES

- Although the transaction may have been economic to 100 MW in the Pd-1 Market Schedule, due to the TLRe in place in real time the market schedule will be brought to 200MW
- The IESO is making an assessment based on PD-2, on what will be able to flow due to the external TLR, therefore the participant should be brought back to their Pd-2 market schedule.

Curtailement	Market Schedule	Constrained Schedule	CMSC
Pd-2 (AUTO)	0	200	Yes
Max constraint		200	
Because of TLRe	200	200	No
Pd-1 result	0	200	Yes
RT Curtailement		100	No
Because of TLRe	100	100	No
Eligibility	0	100	Yes

- If a transaction is partially curtailed in real time the market schedule will be brought back to the Pd-2 market schedule, similar to the partial curtailment example
- If the transaction is curtailed to 0 in real time, the market schedule will not be adjusted

Curtailment	Market Schedule	Constrained Schedule	CMSC
Pd-2 (AUTO)	100	50	YES
Max constraint		50	
Because of TLRe	50	50	No
Pd-1	100	50	No
RT (because of TLRe)	50	50	No
Eligibility	100	50	No

- The IESO is making an assessment based on Pd-2, on what will be able to flow due to the external TLR, therefore the participant should be brought back to their Pd-2 market schedule.
- Exports which are constrained off automatically by the tool, and then further constrained off by the external TLR, will not be eligible for CMSC as this would have been the outcome without pre-emptive curtailments

- The IESO is currently working on a “query” tool that will rectify the following market schedules prior to the preliminary settlement statement
 - For export transactions that are auto constrained on by the DSO in PD-1 and subsequently partially failed at T-30 because of an external operator’s actions the market schedule will be brought back to the PD-1 result
 - For export transactions that are auto constrained on of off by the DSO in PD-2 and are fixed to their Pd-2 schedule when the IESO is pre-emptively curtailing transactions, the market schedule will be brought back to the PD-2 result, unless that transaction is subsequently curtailed to 0 MW with TLRe, OTH or MRNh

- Tool is currently in the testing process
- Until such time that the tool is put in place, market participants may submit any concerns through the NOD process
- A communication will be sent when the tool is in place