

Planned Operation with Reduced MLP for NQS Resources – Reference Card

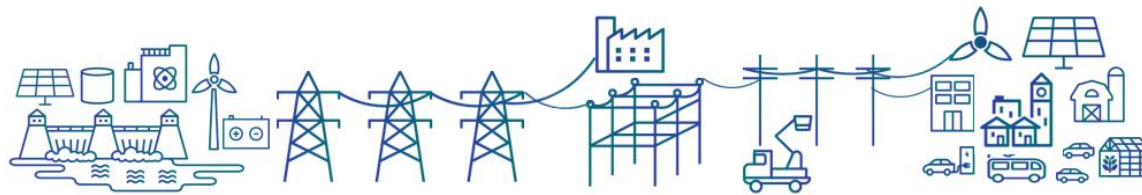
Training Materials Disclaimer

This document has been prepared to assist in the IESO training of Market Participants and has been compiled from extracts from the market rules or documents posted on the web site of Ontario's Independent Electricity System Operator. Users of this guide are reminded that they remain responsible for complying with all of their obligations under the market rules and associated policies, standards and procedures relating to the subject matter of this guide, even if such obligations are not specifically referred to herein. While every effort has been made to ensure the provisions of this guide are accurate and up to date, users must be aware that the specific provisions of the market rules or particular document shall govern.

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This Reference Card provides instructions to Market Participants (MP) when a non-quick start (NQS) resource has a planned operation requiring it to operate below its normal minimum loading point (MLP). These instructions ensure the appropriate MLP values are used by the engines and are reflected in the resource's schedule. If followed, this process will allow your private reports to be populated by pre-dispatch (PD) and day-ahead market (DAM) with actuate schedules.

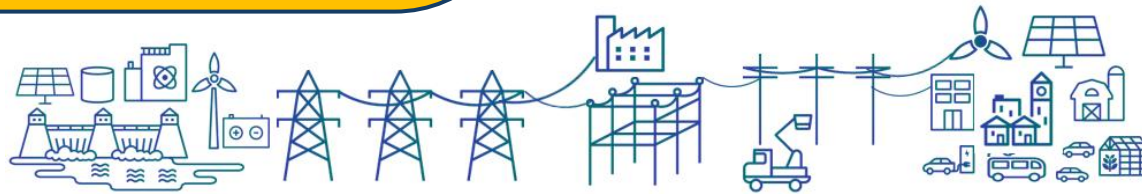
Terminology:

- **Day -1:** The day prior to the current dispatch day when the DAM engine runs and schedules for the current dispatch day (Day 0).
- **Day 0:** The current dispatch day.
- **Day 1:** The next dispatch day.
- **Minimum Loading Point Submission:** MLP is part of the daily dispatch data (DDD) that must be submitted before DAM engine runs. The value is used by both the DAM and the PD engines to determine the resource schedule for **Day 0**. To ensure the correct MLP value is recognized, it must be submitted as part of the DDD before the DAM submission window closes on **Day -1, at 10:00 EPT**.

Introduction:

The PD engine can only schedule a NQS resource above their submitted MLP. However, there are scenarios such as MOD Testing or new/replacement equipment commissioning, where a resource may need to operate below its registered or standing MLP. For the PD engine to produce schedules, a lower MLP value must be submitted in the day ahead timeframe for the planned period.

This situation becomes **more complex** if the planned operation is scheduled between **HE22 to HE24**. The PD engine look ahead period from 20:00 EST spans two dispatch days (Day 0 and Day 1), and the MLP value used during this period will be the one submitted for Day 1. **As a result, the resource may receive a schedule based on the higher Day 1 MLP, leading to no schedules being produced for the remaining hours of Day 0.**



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Procedures

Planned Operation in Current Dispatch Day between HE1 to HE21

If a MP plans to operate a resource at a reduced MLP during the current dispatch day (Day 0), and the resource is expected to operate at a lower-than-normal MLP between **HE1 to HE21**. The lower MLP value* for Day 0 must be submitted before the DAM submission window closes on **Day -1 by 10:00 EPT**.

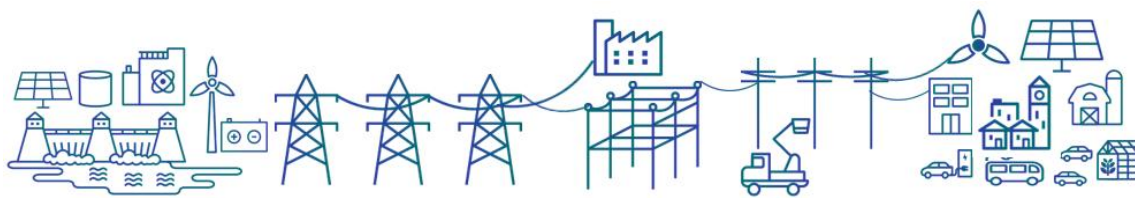
Example 1:

Resource A has a normal MLP at 100 MW. For the dispatch day of August 13, Resource A plans to perform a test from 15:00 to 19:59 requiring operation at a reduced MLP of 50 MW starting from HE16.

Action:

Resource A must submit the lower MLP of 50 MW as part of the DDD for **August 13** before the DAM submission window closes on August 12 by 10:00 EPT.

***Note:** The submission of a lower MLP value must continue to adhere to the submission requirements outlined in the applicable Market Rules and Market Manual.



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Planned Operation in Current Dispatch Day between HE22 and HE24

If the resource is expected to operate at its reduced MLP between **HE22 to HE24**, the lower MLP value* must be submitted for **both Day 0 and Day 1**. These submissions must be made before the Day-Ahead Market submission windows closes on **Day -1 and Day 0**, respectively **by 10:00 EPT** each day.

Example 2:

Resource A has a normal MLP at 100 MW. For the dispatch day of August 13, Resource A plans to perform a test from 15:00 to 23:59 EST, requiring operation at a reduced MLP of 50 MW **beyond HE22**.

Action:

- Resource A should **submit the lower MLP of 50 MW** as part of the DDD **for both August 13 and August 14**, before the DAM submission windows close on August 12 and August 13 respectively by 10:00 EPT each day.
- As a result, there may be hours scheduled below the normally required MLP for hours outside the testing or commissioning timeframe. **If at anytime a DAM or PD schedule is produced with an MLP below your operational requirement, contact the IESO control room to request a constraint be applied to the required value for equipment concerns.**

***Note:** The submission of a lower MLP value must continue to adhere to the submission requirements outlined in the applicable Market Rules and Market Manual.

