Performance Assessment Hour Ramp Rate

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Operating Committee – Special
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Unit Parameter/ Values – Stakeholder Venues

OC

Performance Assessment Hour (PAH) Ramp

PLS/ Unit-Specific

Real Time Values

Real Time

Unit Specific Adjustment Process

MIC

Conforming Changes to Manual 11 for Capacity Performance

Operating Parameter Definitions

Exceptions to PLS Process

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Ramp Rate Inclusion Option Paths

Ramp Excluded — Ramp Rate Option Path — Ramp PLS

Status Quo (CP Order)

Excused MW:
- Approved Planned / Maintenance Outage
- Not Scheduled by PJM
- Scheduled Down by PJM

Non-Performance Charge calculated from 'desired' non-ramp limited basepoint

Transitional Problem Statement

Excused MW:
- Approved Planned / Maintenance Outage
- Not Scheduled by PJM
- Scheduled Down by PJM
- Following PJM Dispatch that includes ramp rate

Non-Performance Charge calculated from ramp limited basepoint

Potential Long Term

Excused MW:
- Approved Planned / Maintenance Outage
- Not Scheduled by PJM
- Scheduled Down by PJM
- Following PJM Dispatch that includes ramp rate

Non-Performance Charge calculated from ramp limited basepoint

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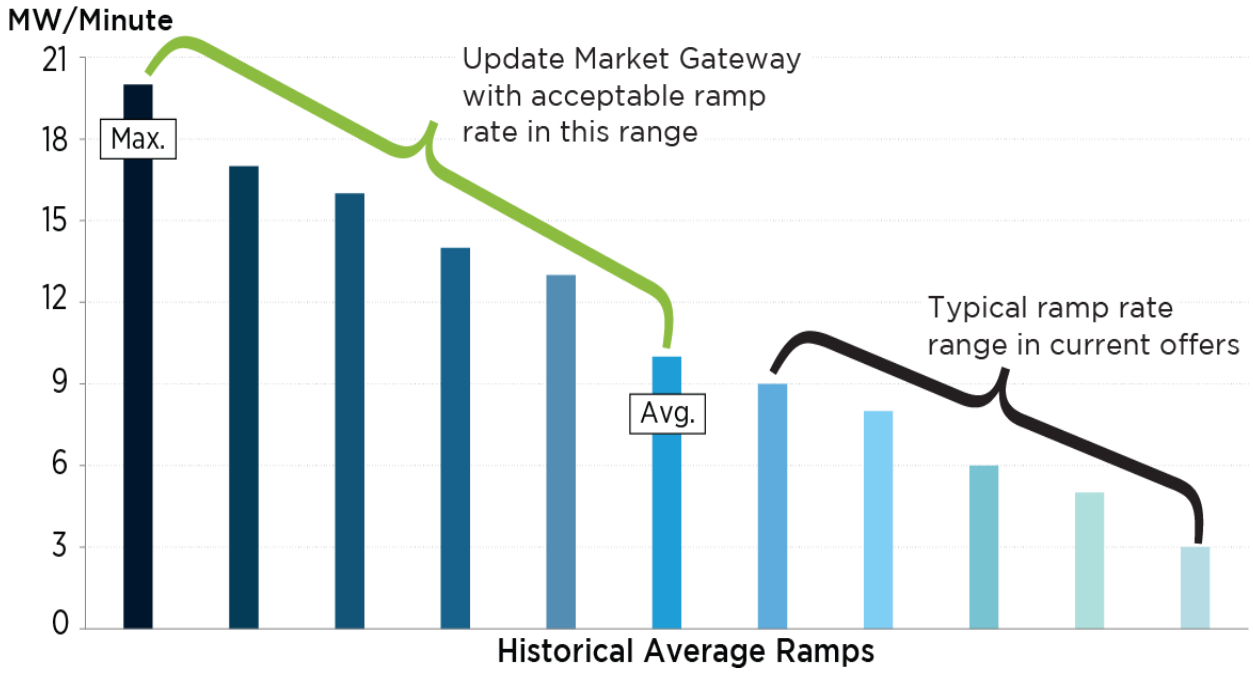
PJM Acceptable Ramp Rate

- Ramp or Segmented Ramp value established between the historical ramp/segmented ramp average and historical ramp/segmented ramp maximum based on actual unit performance within the last 3 months. This value will be entered in Markets Gateway by the Market Seller and approved by PJM.

- PJM observed that many of the actual ramp rates from resources are faster than the inputted ramp rate values.

- The diagram to the right shows conceptually the range of ramp rate values that may be used as a PJM acceptable ramp rate.



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Proposed PAH Ramp Rate Details

BEFORE JUNE 1

- Members will update their ramp rate values in Markets Gateway with a PJM acceptable ramp rate that is greater than the current ramp rate based on their individual assessment of their units' historical performance within the last 3 months
  - Capacity Performance – effective for the April 21 Operating Day (offers made on April 20)
  - Non-Capacity Performance – effective for the June 1 Operating Day (offers made on May 31)

- If a Member keeps its current bid-in ramp rate or inputs a slower ramp rate, the Member must provide documentation to PJM for justification.

- PJM will start to monitor the changes of inputted ramp rates for all resources starting March 1 through April 20
  - Capacity Performance - if a ramp rate is updated after April 20, the Member must notify PJM
  - Non-Capacity Performance – if a ramp rate is updated after June 1, the Member must notify PJM

- PJM, in conjunction with the IMM, will review the newly inputted ramp rates between April 21 and May 15 and ensure the ramp rate reflects the resource's recent operational history.
  - If agreement is not achieved, PJM will provide the value to be entered

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Proposed PAH Ramp Rate Details

AFTER JUNE 1

- When a Hot Weather/Cold Weather Alert is issued on that Operating Day, PJM will run a report comparing the current day's offer ramp rate to the April 21 Operating Day ramp rate
  - PJM will notify specific Members by Noon if a slower ramp rate is detected
  - After being notified, Members must provide documentation explaining the reduction (deadline TBD)
  - If PJM does not agree with the reduction, then PJM will assess Non-Performance Charges based on the 'desired' non-ramp limited basepoint

- Performance Shortfalls will be reduced if:
  - An acceptable ramp rate is approved by PJM; and
  - Resource is operating above its Economic Minimum; and
  - PJM has not issued a 'no-notice' event (e.g. Manual Load Dump Action)

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Next Steps

- First Read of OATT and M18
  - OC: February 24
  - MRC: February 25
- Endorsement of OATT and M18
  - OC: March 8
  - MRC: March 31
  - MC: March 31 (OATT only)
- OATT revision FERC Filing on April 1 with requested May 31 effective date

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