

# Stability Limits in Markets and Operations

Joe Ciabattoni, Manager  
Interregional Market Operations  
Markets Implementation Committee  
December 2, 2020

- Clarifies the type of stability limit that will be controlled
  - Real power MW
- Changes the method of control to unit output constraint
  - Currently: Economic limit reduction or thermal surrogate are used
  - Future: Real Time SCED & Day-ahead will control unit output plus reserves to remain within stability limit
- Clarifies that LOC will not be paid to the generator owners for reductions related to stability
- Manual language to be effective with software implementation

- Added language to clarify that generators would not be eligible for lost opportunity cost (LOC) credits for reductions associated with honoring stability limits
- Manual language to be effective after software implementation

Manual 28: Operating Agreement Accounting

- Identifies generator stability limits
- Identifies the modeling of stability limits in Day-Ahead and Real Time Markets in security constrained economic dispatch using a generator output constraint
- Recognizes limitations documented in the ISA will be used before other units are reduced
- Documents ineligibility of LOC for generator stability limitations
- Documents transparency reporting

Manual 11: Energy & Ancillary Services Market Operations

- M03: Removes Lost Opportunity Credit (LOC) language
- M28: No changes are necessary
- M11: Removes LOC language

- Added language to remove LOC eligibility
  - A Market Seller of a unit defined in subsection (f-1), (f-2), (f-3), (f-4), or (f-5) that is reduced using a generator output constraint to honor a stability limitation is not eligible for credits under this section 3.2.3 (f) for the MWh reduction associated with honoring the stability limit.

OATT Att K Appx Section 3.2.3 (f): Operating Reserves

Facilitator:  
Lisa Morelli,  
[Lisa.Morelli@pjm.com](mailto:Lisa.Morelli@pjm.com)

Secretary:  
Nick DiSciullo,  
[Nicholas.Disciullo@pjm.com](mailto:Nicholas.Disciullo@pjm.com)

SME/Presenter:  
Joe Ciabattoni,  
[Joseph.Ciabattoni@pjm.com](mailto:Joseph.Ciabattoni@pjm.com)

## Stability Limits in Markets and Operations



### Member Hotline

(610) 666 – 8980

(866) 400 – 8980

[custsvc@pjm.com](mailto:custsvc@pjm.com)