EnerNOC Proposed Packaged Solution – 9.8.16 SCRSTF

Topics For Discussion

Objectives of proposal

- Avoid stranding of reliable, cost effective resources
- Achieve stability for next year's BRA
- Preserve customer investments
- Pursue comparability

Proposal - Basics

- Adopt PJM packaged solution A as is
- Add the following design components:
 - 1. Apply the Balancing Ratio to all committed capacity for the purposes of determining Expected Performance
 - 2. Amend Balancing Ratio equation to be:
 - BR = (All Resource Performance) + (Net Energy Imports) All Committed Capacity (UCAP)

Proposal - Options

- Open to considering other changes/additions to other design elements, for example:
 - Aggregation rules (commercial bilateral & seasonal offers)
 - M&V
 - Balancing Ratio
 - Proposals in the URMSTF:

BR * committed capacity for all CP Resources** (needs further discussion to address differences between value assigned to Gen and DR/EE (*FPR)) *** 8/31 matrix package G, 8/17 matrix E & G 7/29 matrix packages E & F

What Is It?

The balancing ratio, is defined to be the ratio of load plus reserves to total UCAP cleared in the capacity market

It's a ratio comparing the system's need for capacity versus committed capacity

(Actual Generation and Storage Performance) + (Net Energy Imports) + (Demand Response Bonus Performance)

All Generation and Storage Committed UCAP

What is it used for?

- Non-Performance Assessments (Penalties) during Performance Assessment Hours (PAHs) are determined by comparing "each Capacity Resource's Expected Performance against its Actual Performance for each Performance Assessment Hour" (M18, 8.4A)
- Expected Performance Determinations (M18, 8.4A)
 - <u>Generation</u>: (UCAP) * (**Balancing Ratio**)
 - <u>Demand Response:</u> ICAP value (the actual load reduction quantity the resource committed to provide)

Why Does It Matter?

- Applying the BR to Generation and not DR *reduces the Expected Performance levels for Generation but not DR* in a PAH when system levels are lower than the committed amount
 - Typically the winter has lower ratio
- Point of Reference Balancing Ratio applies to all resources in ISO NE

Why Does It Matter?

Example



Why Does It Matter?

- This lack of comparability between DR and Generation creates an unreasonable barrier to participation for DR
- This Task Force has certain Key Work Activities
 - "Determine whether barriers to entry for seasonal resources exist in the 2020/2021 Delivery Year and beyond, and identify whether any such identified barriers may be removed while maintaining the commitment of 100% CP resources for the entire Delivery Year."
- This design component removes the barrier while maintaining the commitment of 100% CP