Gen Checkout

July 18th, 2017
Dispatcher Training Subcommittee
• Program to compare unit availability and bid data to ensure accurate market data and capacity/reserve projections

• Previously calculated ICAP and RPM analysis in parallel. Program chose one of the two analysis methods when Gen Checkout is initiated.
• To enhance operational awareness and planning, PJM wants to know what is available (energy & capacity) on a unit regardless of its commitment.

• PJM replaced RPM analysis with a “Capacity Factor” Analysis.

• Anticipate minimal impact as Gen Checkout selects ICAP analysis majority of the time.
Previous Gen Checkout Logic

EC = Eco Max

- Is EC >= RPM?
  - Yes: ICAP Analysis
  - No: Is Reduction = 0?
    - Yes: ICAP Analysis
    - No: Is Reduction >= (ICAP-RPM)?
      - Yes: ICAP Analysis
      - No: RPM Analysis
ICAP = eDART ICAP
Cap Factor Non-Renewable = 1
Cap Factor Renewable < 1
Steam Unit
eDART ICAP = 1000 MWs
Cap Factor Non-Renewable = 1
ICAP * Cap Factor = 1000 MWs

Gen Checkout uses ICAP analysis
Wind Unit
eDART ICAP = 1000 MWs
Cap Factor Wind = 13%
ICAP * Cap Factor = 130 MWs

Eco Max = 100 MWs
Outage = 200 MWs

Gen Checkout will use Cap Factor Analysis
Contact Info

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