



PJM Manual 22: Generator Resource Performance Indices Update #18

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- Cover to cover periodic review
- General manual cleanup
- Removal of antiquated terms and references
- Correction of inconsistent definitions
- Additional wording for clarification

- Section 1.1 – Acronyms
 - EEI has been removed; it is not referenced in the manual
- Section 3.1 – Equations and Derivations
 - Footnotes 2 and 3 have been removed; the f-factors were adopted by IEEE STD 762-2006
- Section 3.5 – Item D: Rules for Consistency of Generator Outage Rate Calculations
 - The footnote was removed that referenced retired PJM committees/subcommittees

- Section 2.1 – Definitions
 - The definition of “Demand Hours” has been corrected
 - The time ~~interval each day on a particular system in which there is a heavy demand for electricity. For PJM, it is the time period beginning 8:00:01 and ending 22:00:00, inclusive.~~ in which a unit is online or needed to serve load or support the transmission system.
 - The definition of f-factor has been refined
 - Factors which ~~have been adopted by PJM to~~ scale the total number of forced outage hours to reflect those which occur ~~during demand hours.~~ when the unit is in demand by the operating system. Separate factors exist to adjust both outage (ff) and derated(fp) hours. (Refer to Equation 10.) These factors are delineated in IEEE STD 762-2006.

- Section 3.1 – Equations
 - The note on page 14 has been amended to explicitly state that a full outage is equivalent to a full derate for calculation purposes
 - A note on page 18 has been added to explain that weighting values by the number of months rather than the number of years is acceptable

- PC first read and redline 2/4/2020
- MRC first read and redline 2/20/2020
- PC endorsement 3/10/2020
- MRC endorsement 3/26/2020
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