



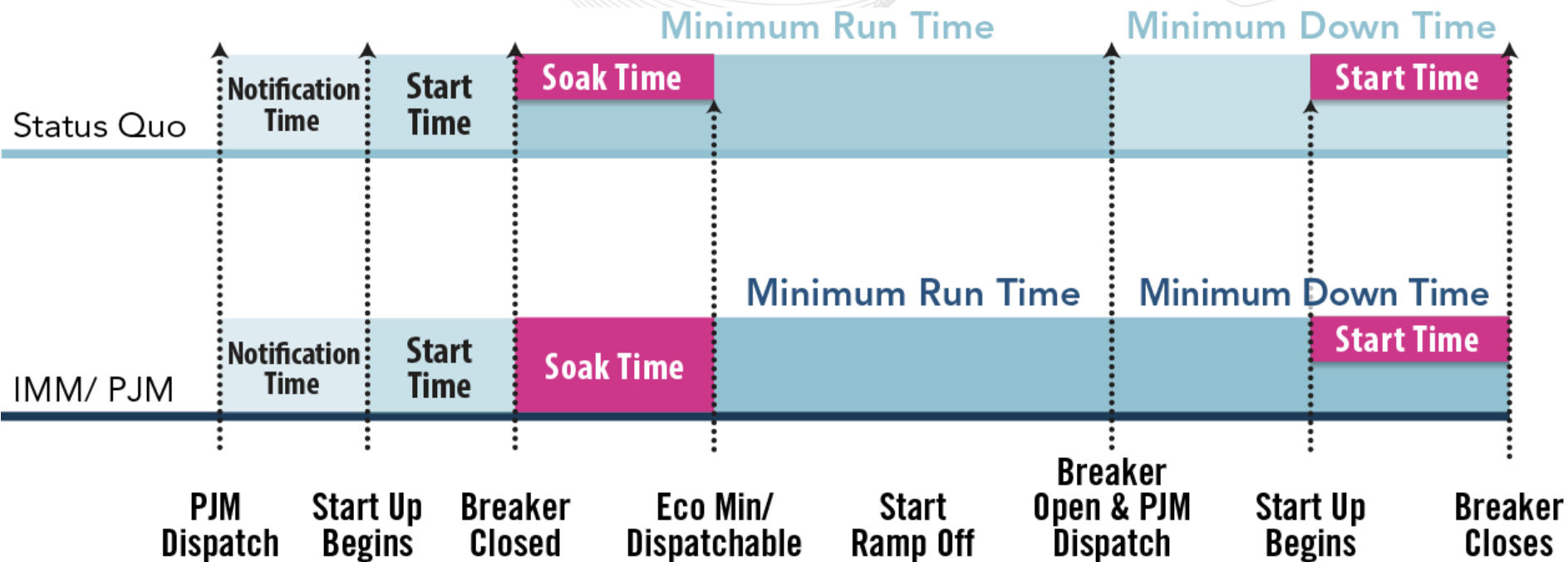
Updated Operating Parameter Definitions

Thomas Hauske

Sr. Lead Engineer, Performance Compliance

Market Implementation Committee

November 2, 2016



Hot/Warm/Cold Soak Time (hour) — *The minimum number of hours a unit must run, in real-time operations, from the time after generator breaker closure which is typically indicated by telemetered or aggregated state estimator MWs greater than zero to the time the unit is dispatchable. For Combined Cycle units this is the minimum number of hours from the time just after the first combustion turbine generator breaker closure which is typically indicated by telemetered or aggregated state estimator MWs greater than zero and the time the unit is dispatchable. (Un-nested and new PLS Parameter)*

Minimum Run Time (hour) — *The minimum number of hours a unit must run, in real-time operations, from the time after ~~generator breaker closure which is typically indicated by telemetered or aggregated state estimator MWs greater than zero~~ the unit is dispatchable to the time of generator breaker opening, as measured by PJM's state estimator. For Combined Cycle units this is the time period after ~~the first combustion turbine generator breaker closure which is typically indicated by telemetered or aggregated state estimator MWs greater than zero~~ and the unit is dispatchable to the time of the last generator breaker opening as measured by PJM's state estimator.*

- Manuals
 - M11 Energy & Ancillary Services Market Operation
 - Sections 2.3.3, 2.3.4, 2.3.6, 2.3.7, 2.3.10, 4.1, 4.2.6, & 11.2.2
 - M12 Balancing Operations
 - Section 4.6.12
 - M28 Operating Agreement Accounting
 - Sections 5.2.1 & 5.2.7
- Markets Gateway User Guide

- Open Access Transmission Tariff
 - Section 1
 - Attachment K – Appendix
 - Schedule 6A
- Operating Agreement
 - Section 1
 - Schedule 1

- Endorsement of Tariff, Operating Agreement, and Manual revisions at November MIC
- Endorsement at Tariff, Operating Agreement, and Manual revisions at November MRC
- Implementation targeted 1 year after Hourly Offers