

# Soak Time Tariff and Manual Changes

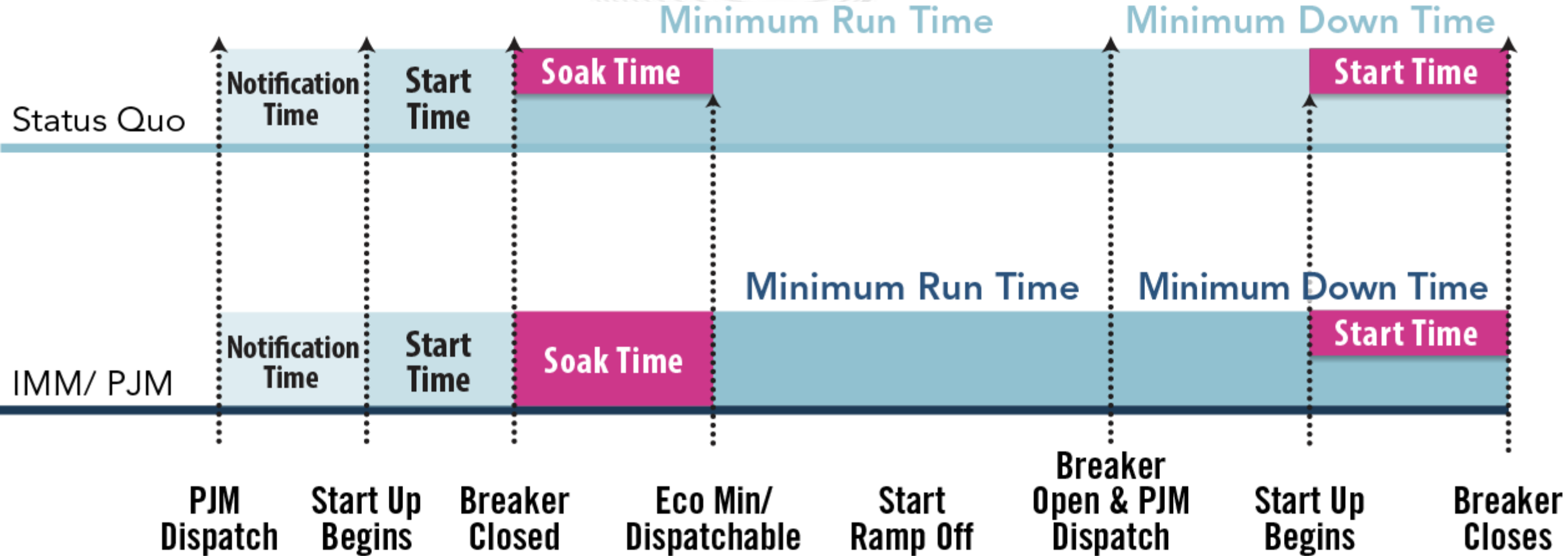
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- The following Soak Time Manual and Tariff changes were approved at the January 26, 2017 MRC and the February 23, 2017 MC.
- PJM would file these changes with FERC approximately six (6) months before implementation.



**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