Net Energy Injections at Load Busses Quarterly Report

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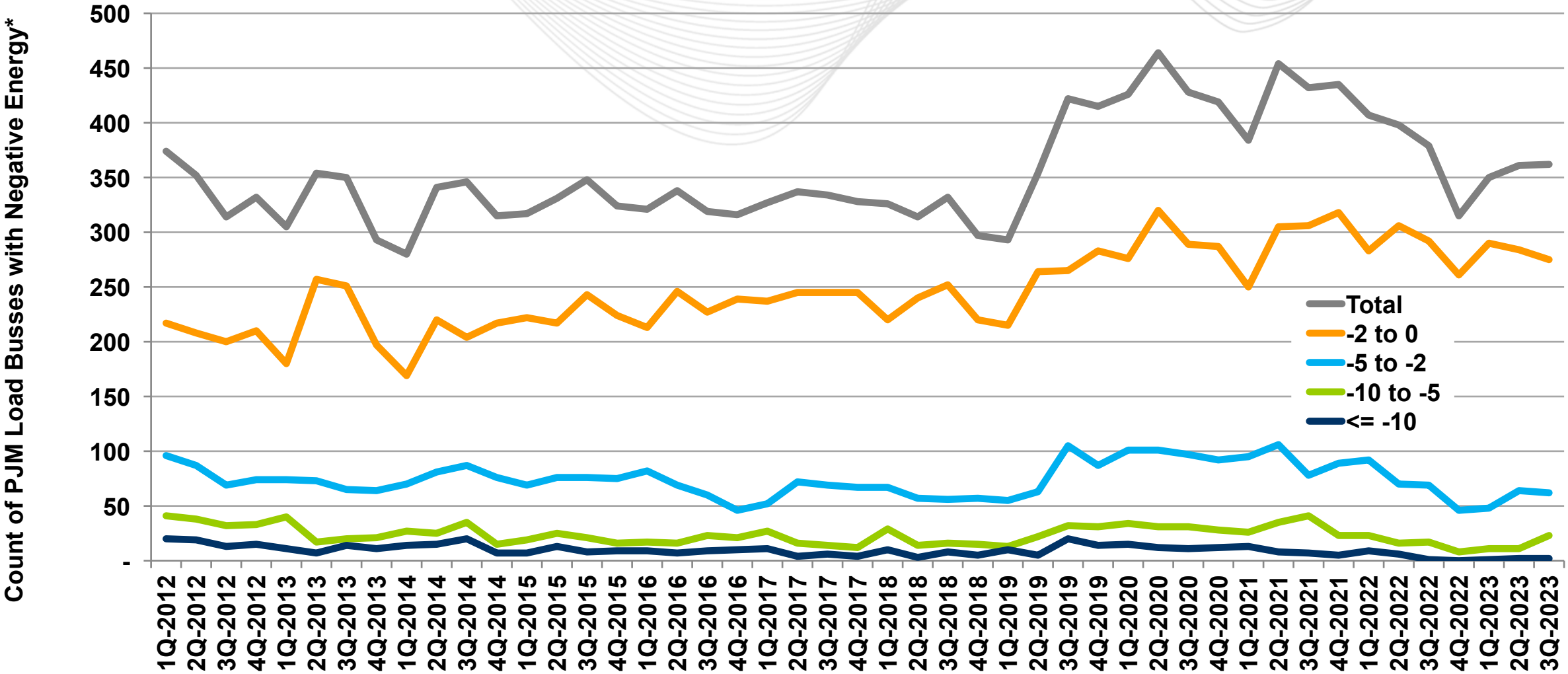
Market Implementation Committee
November 1, 2023

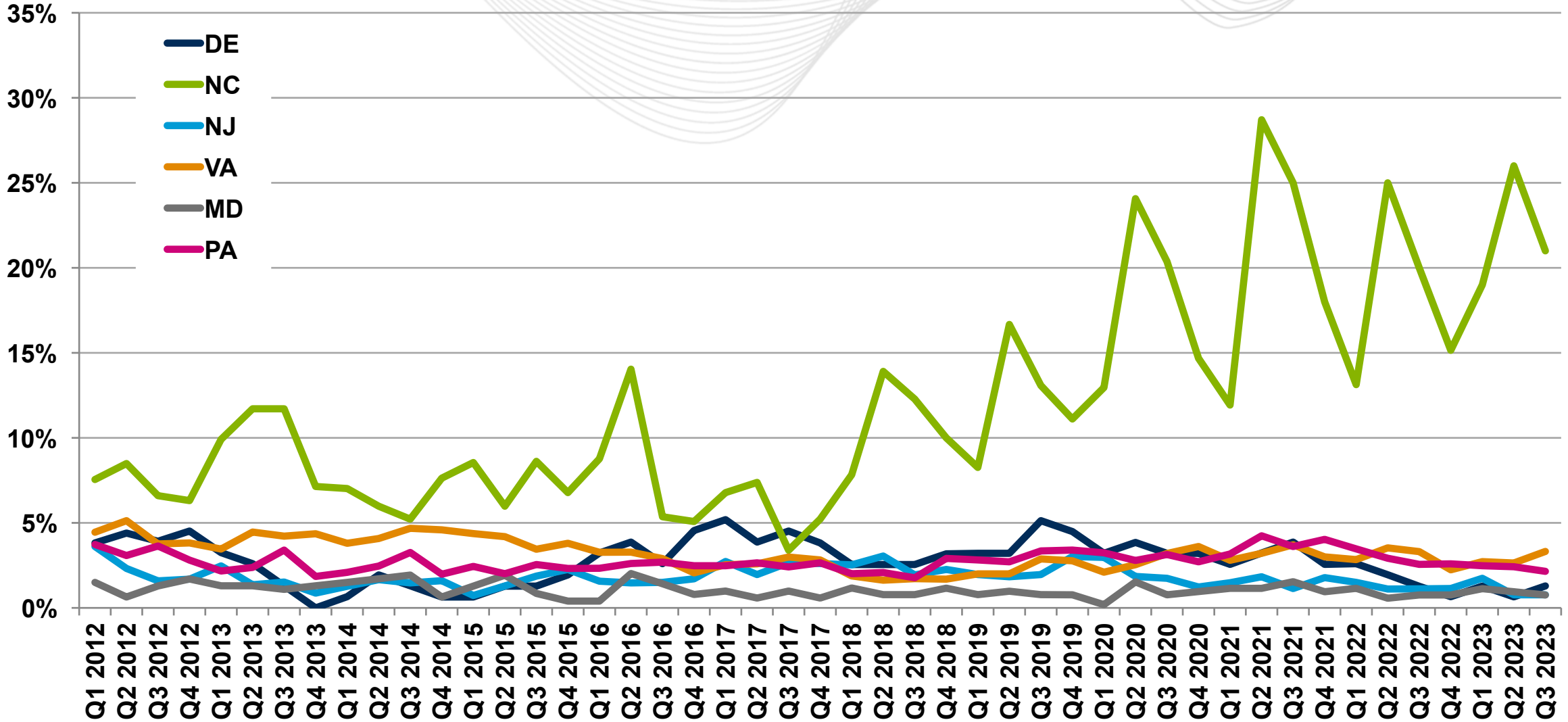
- Follow up effort to the Net Energy Metering Senior Task Force (NEMSTF) recommendation
  - PJM will implement a quarterly review to track and trend overall incidents of net energy injections at load busses
- PJM Manual 28 Requirement
  - PJM will assess and trend quarterly the degree of net energy injections at load busses modeled in the PJM network system model (i.e., reverse power flows) in order to detect and correct any modeling issues and to identify any generation in excess of load that appears at a load bus.

PJM Load Busses with Negative Energy on Average

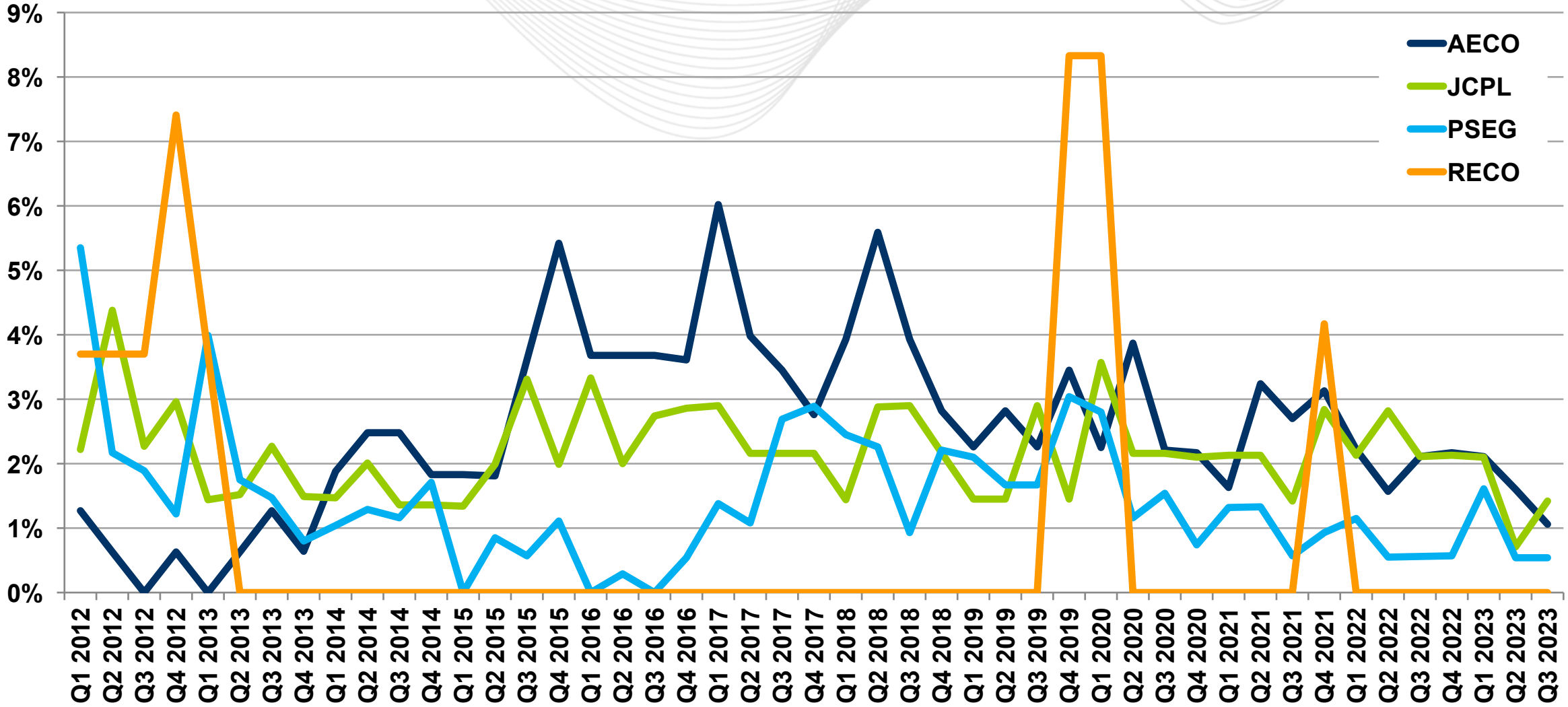


* The total number of PJM load busses is 10,809 as of the most recent model build.

Mid-Atlantic State Load Busses with Negative Energy on Average



New Jersey Load Busses with Negative Energy on Average



Observations

- The total number of load busses with negative energy on average increased 0.3% in Q3 2023 compared to the previous quarter, and decreased 4.5% compared to the same quarter last year (slide 3).
- The total number of load busses with negative energy on average in Q3 2023 is about 3% lower than when PJM started tracking in 2012 (362 vs 374), even though the total number of load busses (10,809) has increased 33% over that eleven-year period (slide 3).
- As expected, NC had a decrease in the number of negative load busses in Q3. This has occurred every year for the past several years. The count will likely decline again in Q4. This pattern is attributable to utility-scale solar facilities that are not participating in the PJM Market (slide 4).
- PJM continues to track this data to improve its EMS Network Model. To date, trends have not been indicative of an underlying Net Energy Metering issue.

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