



Net Energy Injections at Load Busses

Quarterly Report

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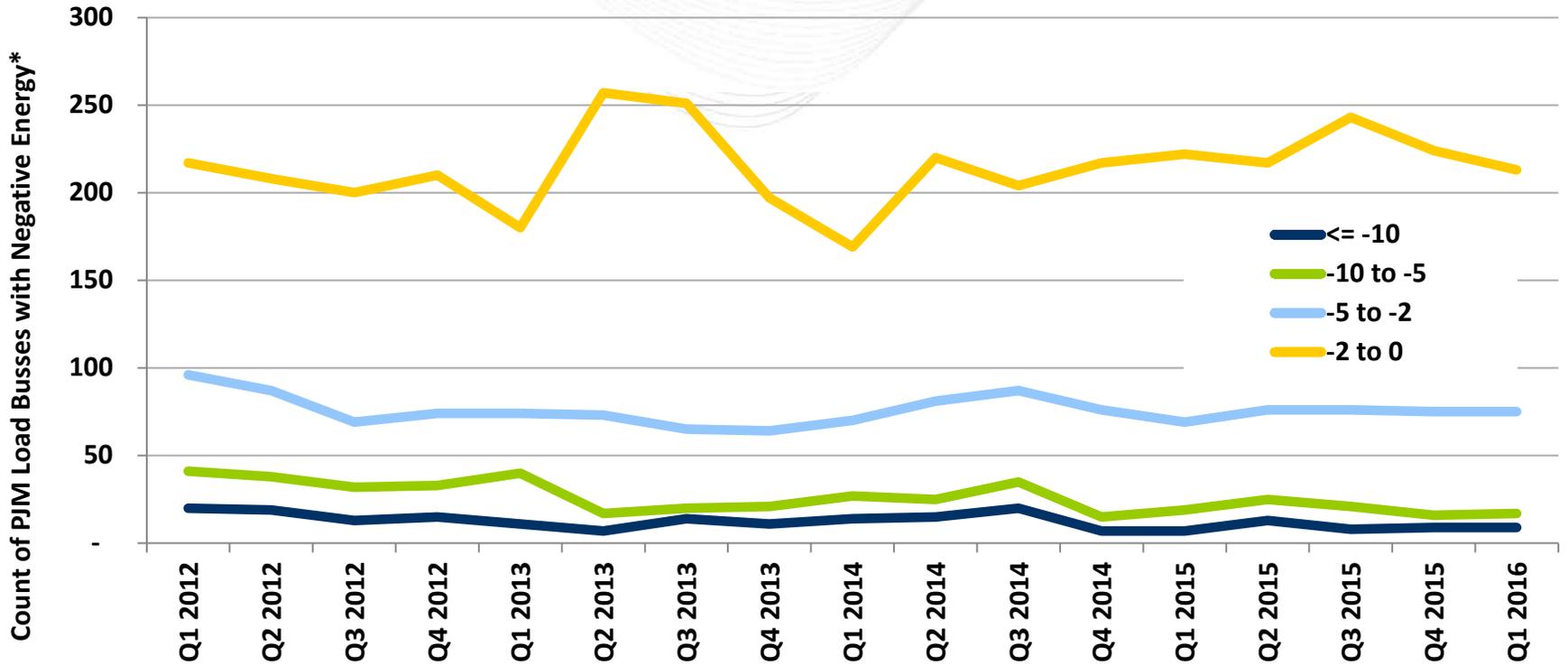
Manager, Renewable Services

Market Implementation Committee

May 11, 2016

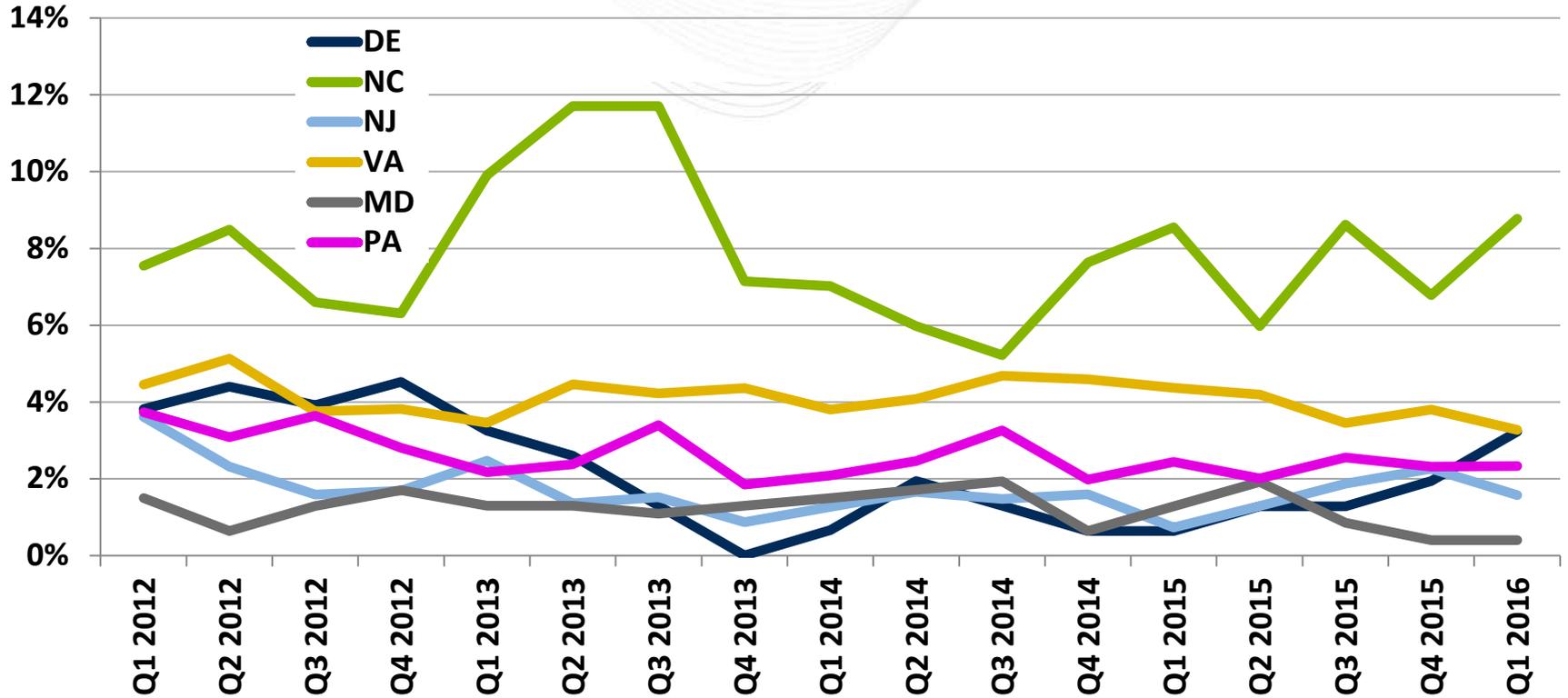
- Follow up effort to the Net Energy Metering Senior Task Force (NEMSTF) recommendation
 - PJM will implement a quarterly review to track and trend overall incidents of net energy injections at load busses
- PJM Manual 28 Requirement
 - PJM will assess and trend quarterly the degree of net energy injections 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

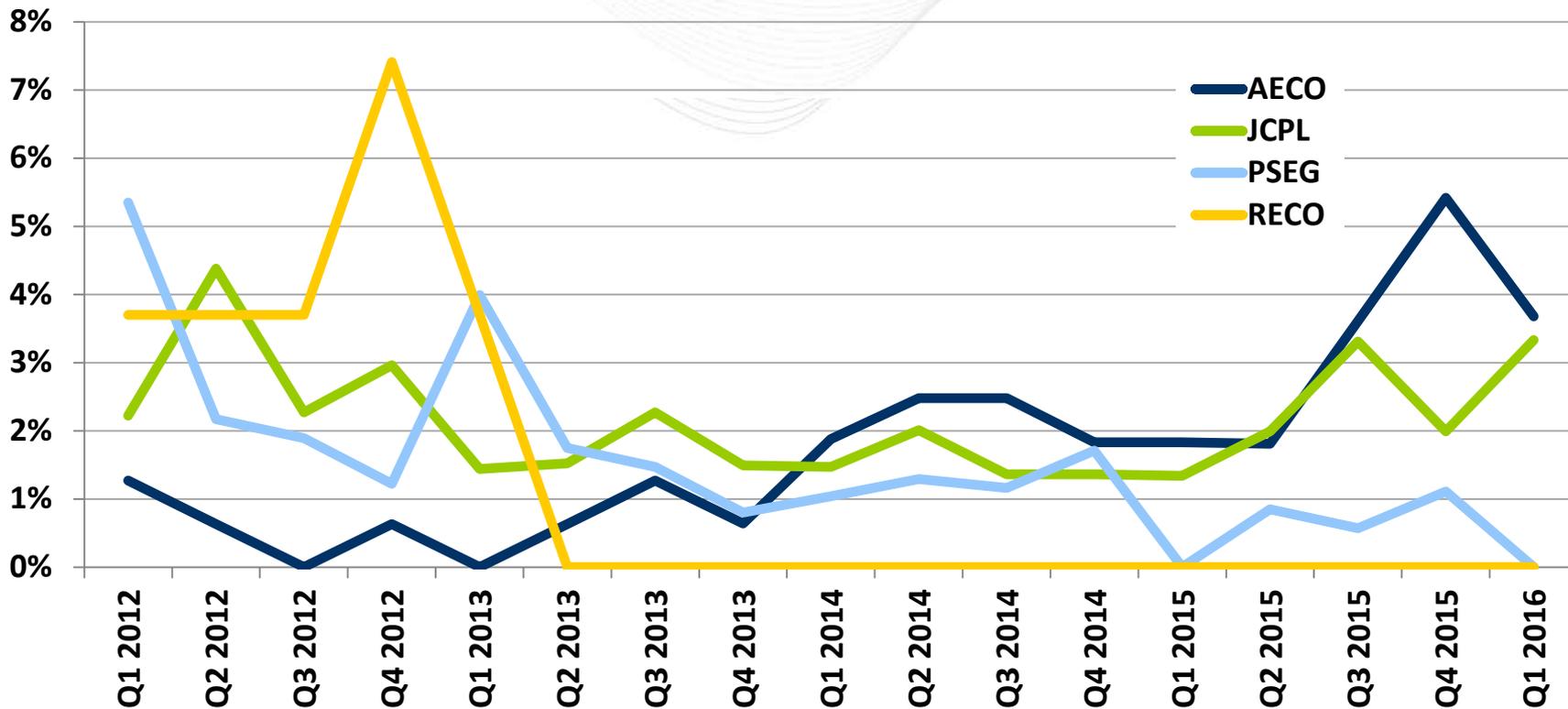


* The total number of PJM load busses is 9,058 as of the most recent model build.

Mid-Atlantic State Load Busses with Negative Energy on Average



New Jersey Load Busses with Negative Energy on Average



- Over the four-year period covered by this report:
 - PJM load busses: ↑ 12%
 - PJM load busses with negative energy: ↓ 14.2% (slide 3)
- In Mid-Atlantic States, the two PJM states with the most installed solar capability (NJ and MD) have the lowest percentage of load busses with negative energy (slide 4).
- The Atlantic Electric zone in Q1 2016 reversed a two-year trend of increasing percentage of load busses with negative energy (slide 5).
- 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.