



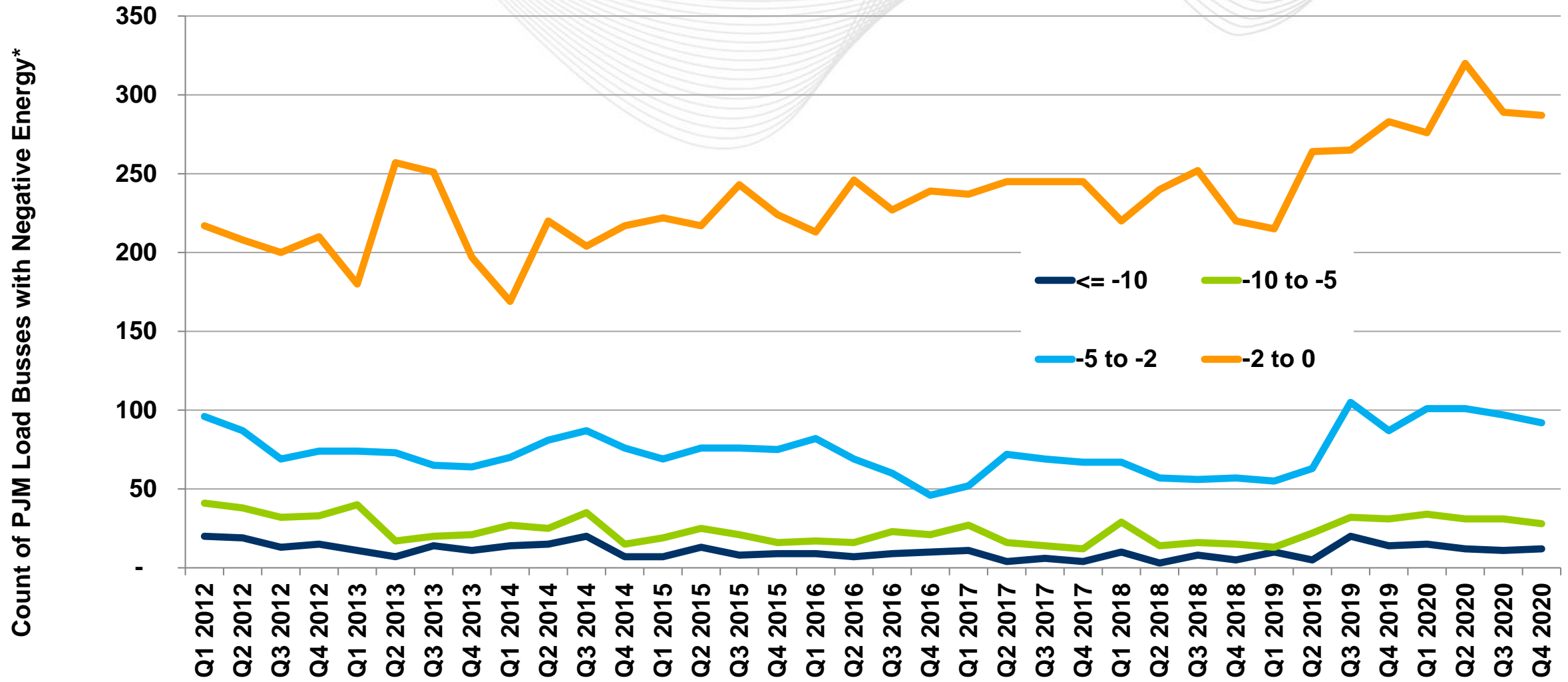
# Net Energy Injections at Load Busses Quarterly Report

Ken Schuyler,  
Manager Renewable Services

Market Implementation Committee  
February 10, 2021

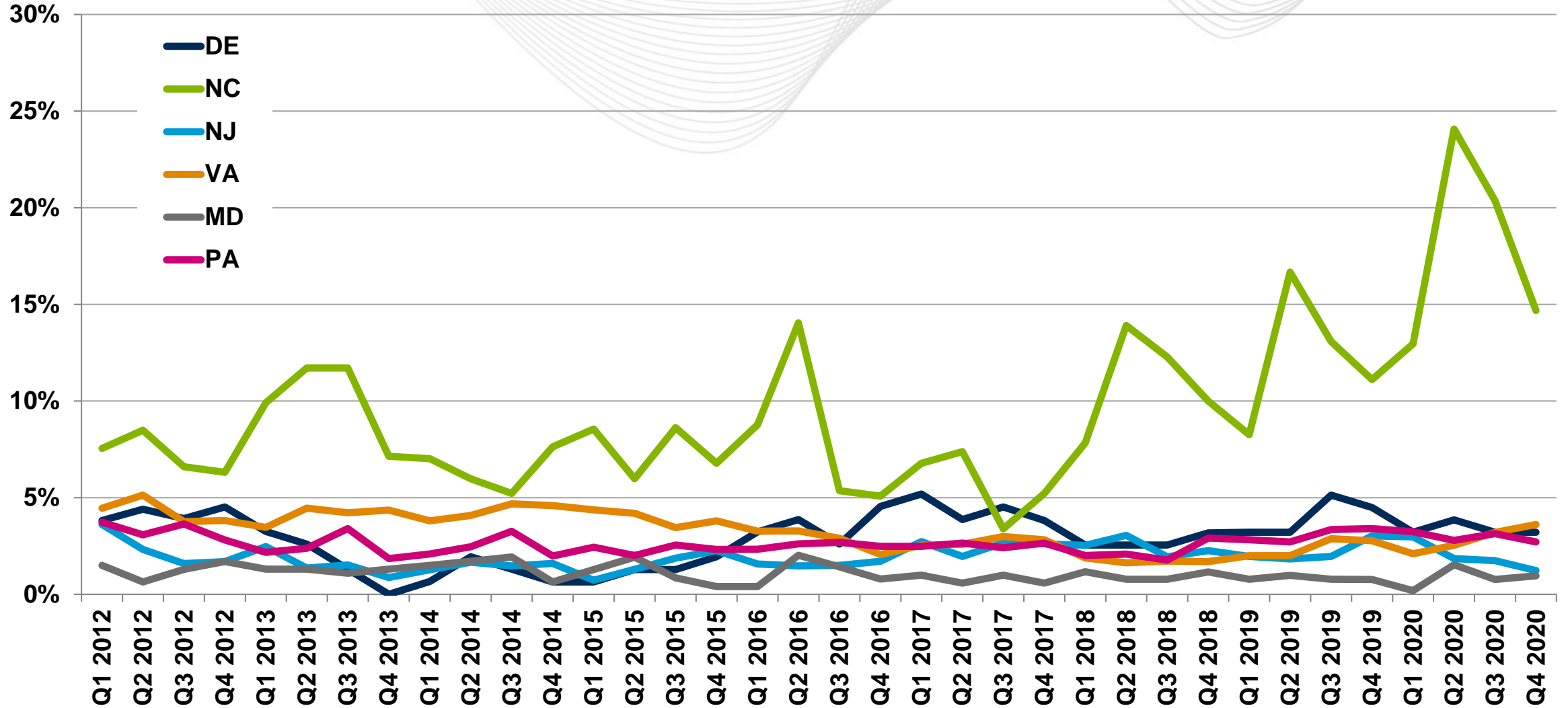
- Follow up effort to the Net Energy Metering Senior Task Force (NEMSTF) recommendation
  - PJM will implement a quarterly review to track and trend overall incidents of net energy injections at load busses
- PJM Manual 28 Requirement
  - PJM will assess and trend quarterly the degree of net energy injections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

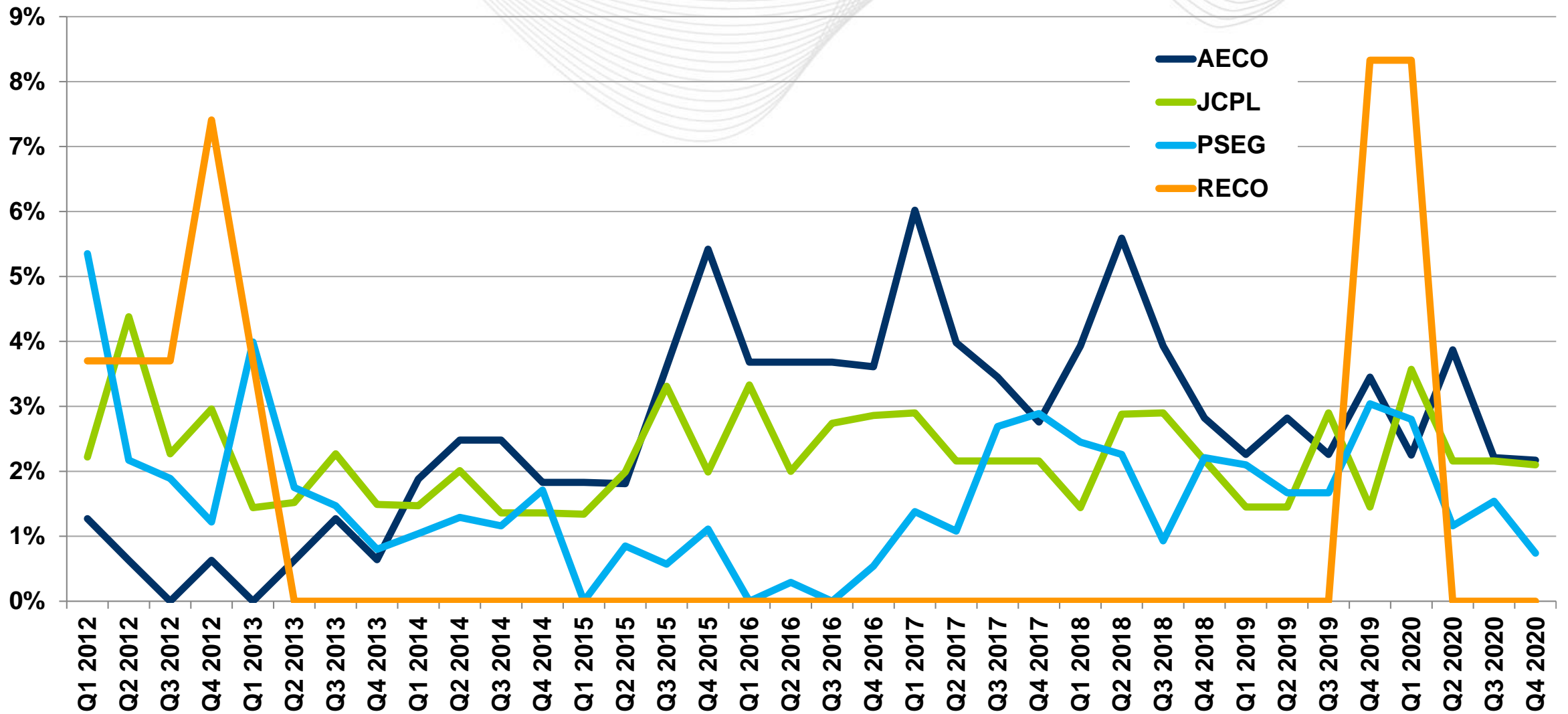


\* The total number of PJM load busses is 10,228 as of the most recent model build.

# Mid-Atlantic State Load Busses with Negative Energy on Average



# New Jersey Load Busses with Negative Energy on Average



- Over the nine-year period covered by this report:
  - Number of PJM load busses: +26.3%
  - Number of load busses with negative energy: +12.0% (slide 3)
- NC had a decrease in the number of negative load busses in Q4. This is attributable to utility-scale solar facilities that are not participating in the PJM Market. NC counts typically increase in Q1 and Q2 then decrease in Q3 and Q4 (slide 4).
- The seemingly large increase in the number of negative load busses in the RECO zone in Q4 2019 and Q1 2020 was actually just two nodes at one station solving at a small negative value (slide 5). Metering coming into the EMS was inverted, which was corrected in mid-2020.
- 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.

SME:  
Ken Schuyler,  
[Ken.Schuyler@pjm.com](mailto:Ken.Schuyler@pjm.com)

## Net Energy Injections at Load Busses



### Member Hotline

(610) 666 – 8980

(866) 400 – 8980

[custsvc@pjm.com](mailto:custsvc@pjm.com)