Net Energy Injections at Load Busses
Quarterly Report

Market Implementation Committee
May 15, 2019
• 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 9,858 as of the most recent model build.
Mid-Atlantic State Load Busses with Negative Energy on Average

[Line chart showing the percentage of load busses with negative energy for different states (DE, NC, NJ, VA, MD, PA) from Q1 2012 to Q1 2019.]
New Jersey Load Busses with Negative Energy on Average

AECO
JCPL
PSEG
RECO
• Over the seven-year period covered by this report:
  – PJM load busses: 21.8%
  – PJM load busses with negative energy: 21.7% (slide 3)
• The total number of PJM load busses solving negative on average declined to the lowest number ever, with the exception of Q1 2014 (slide 3).
• NC counts declined in Q1 for the third consecutive quarter after having shown significant increases over the previous three quarters (slide 4).
• AECO counts also declined in Q1 for the third quarter in a row (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.