



Effective Date	6/1/2015
Impacted Manual #(s)/Manual Title(s):	
Manual 11: Energy & Ancillary Services Market Operations Manual 18: PJM Capacity Market Manual 19: Load Forecasting and Analysis	
Conforming Order(s):	
Associated Issue Tracking Title:	Demand Response Residential Capacity and Energy Measurement and Verification Demand Response Residential Participation in the PJM Synchronized Reserve Market
Committee Approval Path - What committee(s) have already seen these changes?	
Market Implementation Committee	
MRC 1st read date:	10/30/2014
MRC voting date:	11/20/2014
Impacted Manual sections:	
Manual 11: 4.2, 10.2, 10.4, 10.5, 10.5 Manual 18: 4.3, 4.3, 8.5, 11.4, Attachment A, Attachment C Manual 19: Attachment A, Attachment B, Attachment D	
Reason for change:	
Residential demand response and the PJM markets have significantly evolved over the last 10 years while the measurement and verification methodologies were based on legacy “direct load control” programs from 20 years ago. The current measurement is inconsistent and lacks transparency regarding the underlying accuracy. This change will update measurement and verification for residential DR by allowing statistical sampling for residential DR in the capacity, energy and synchronized reserve markets.	
Summary of the changes:	



Statistical sampling may be used for non-interval metered residential customers in the energy, capacity and synchronized reserve markets. The manuals detail qualifications, sample design, data validation and estimation, switch operability, churn, and customer documentation. The LSE does not need to be specified for residential registration that do not participate in the Day-Ahead market. Legacy Direct Load Control will only be in effect for capacity compliance through May 31, 2016.