

## Measurement and verification for residential demand response in energy and capacity markets

### Issue Source

PJM Demand Response Operations

### Stakeholder Group Assignment

Demand Response Subcommittee. Provide overview of issue statement at Load Analysis Subcommittee so members of this group are aware this effort and can participate in DRS stakeholder discussion as interested.

### Key Work Activities

The DRS will evaluate existing residential demand response measurement and verification methods for energy and capacity markets and determine if they should be enhanced or replaced with more accurate, consistent and robust methods. Depending on the outcome of this analysis, the DRS may also need to sunset or update the existing Deemed Saving Report for legacy residential direct load control technologies.

### Expected Deliverables

The DRS will assess whether or not a feasible and satisfactory solution(s) exist(s). If appropriate, Tariff and/or Manual changes for the proposed solution(s) that resolve the issue will be developed. The following is a list of expected deliverables:

- 1) Comprehensive evaluation of non-hourly metered residential measurement and verification protocols including the use, vintage and methodology for load research (including published "Deemed Savings Report"), switch operability tests and methods used on a pilot basis.
- 2) Review and evaluate hourly metered measurement and verification protocols and associated administration that have been applied to residential customers to determine whether additional changes or enhancement should be considered for residential customers (ie: very high volume of customers).

### Expected Overall Duration of Work

The duration of work will depend on whether or not tariff changes are required for solutions. If only manual changes are required then it is expected this effort will require 6 months. If tariff changes are required then it is expected that this effort will require 9 month prior to filing changes at FERC.

### Decision-Making Method

Tier 1, consensus (near-unanimity) on a single proposal (preferred,); or Tier 2, multiple alternatives.