### Executive Summary

#### Manual Changes

**Effective Date**
12/01/2015

**Impacted Manual #(s)/Manual Title(s):**

M-19: Load Forecasting and Analysis

**Conforming Order(s):**
n/a

**Associated Issue Tracking Title:**

**Committee Approval Path - What committee(s) have already seen these changes?**

Planning Committee – 10/8/15  
Markets & Reliability Committee – 10/22/15

**MRC 1st read date:**
10/22/2015

**MRC voting date:**
11/19/2015

**Impacted Manual sections:**

Sections 1, 3 and 4 and Attachment A

**Reason for change:**

Implement new load forecasting model and new peak load weather normalization procedure. Miscellaneous changes to clean up language as part of the periodic review.

**Summary of the changes:**

**Section 1:** Adds a note clarifying EDCs ability to enter historical load data into Power Meter.

**Section 3:** This extensive revision incorporates changes to the load forecast model to add variables to account for trends in appliance usage and energy efficiency, revisions in weather variables, and the introduction of an autoregressive error correction. It also adds assignment of Census Divisions to zones and updates the assignments of economic regions and weather stations to zones. Distributed solar generation is now reflected in the historical load data used for zonal models and a separate solar forecast is used to adjust zonal forecasts.
Section 4: The weather normalization procedure used for coincident and non-coincident peaks has been revised.

Attachment A: Directs the reader to Manual 11 for load drop calculation when a resource is DR Capacity Performance.

This revision serves as the required periodic review of the Manual.