

Data Availability for VDER Rate Design Working Group

Consolidated Edison Company of New York, Inc.
Orange and Rockland Utilities, Inc.

September 20, 2017

Customer Load Research

- Hourly 2013 usage data is available for a sample of customers in each class

Company Customer Class	Approximate No. of Customers	Strata
Con Edison		
SC1 Residential	500	6
SC2 Non-Demand	70	3
Orange and Rockland		
SC1 Residential	150	5
SC2 Non-Demand	50	3

System Load Data

- Average peak day hourly load data is available.
- Hourly average for top five peak load days
- Based on 2016

Customer Bill Impacts

- Frequency Distributions

- Rate case frequency distributions show, for each class, the number of customers in ranges of percentage bill impact.
- Bill impacts for customers in the load research sample for a class can be extrapolated to the class population. A frequency distribution based on the extrapolated result may require broader ranges of percentage bill impact.

- Typical Customer Impact

- The bill impact on a “typical” customer (e.g., 300 kWh per month) is a useful benchmark under volumetric (per kWh) rates.
- Under alternative rate designs (e.g., demand charges, volumetric time-of-use rates) the concept of “typical” customer is more complex due to variations in load factor and usage by time period.