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Poster Title: Quality and Quantity: An Innovative Approach to the Quality Control of Metering Data

Abstract: As the energy landscape shifts and program planners look for new energy efficiency savings potential and to better integrate distributed generation, more attention is being placed on load shapes. Studies are being funded to update load shapes since most of the available data are either not robust or dated. This poster will focus on analytics and visualization tools being used on data from a large-scale residential metering study to ensure that the quality of the metering data will support rigorous measure savings analysis and make reductions real. This poster presents a multi-stage, highly visual approach to the quality control of metering data that produces datasets that are defensible and thoroughly validated.

While the primary goal of metering quality control (QC) is to ensure an accurate dataset at the end of the metering study, this is only possible through regular and thorough inspection of the incoming metering data. In our approach, we utilize up-to-the-minute data and a flexible charting platform to create QC reports that guide our analysts as they investigate and correct any extant data quality issues. We will demonstrate a 21st century approach to a very critical process that is usually done behind the scenes.