

Calendarization and Normalization

Description

Topics in this section provide guidance on Calendarization and Normalization in EnergyCAP.

Calendarization more accurately allocates utility bill usage and cost data for reporting purposes by dividing the data into day-size chunks and allocating them to the appropriate calendar month using weather adjustments.

Normalization compensates for year-to-year weather variations by imposing the same year's weather (in terms of degree days) on each year of usage data. Doing so effectively removes year-to-year changes in consumption caused by weather so that a true apples-to-apples comparison can be made when examining the effectiveness of energy saving projects.

These features are available to EnergyCAP clients who have installed the Cost Avoidance or Calendarization/Normalization option.

This topic will...

- explain the calendarization and normalization processes in EnergyCAP.

Prerequisites

- Cost Avoidance module
- user permissions for access to the Cost Avoidance functions

Step-by-Step

In both the calendarization and normalization processes, a sophisticated and fully automatic process is used to:

1. determine if a meter is statistically weather sensitive due to a valid correlation between usage and degree days.
2. determine if it is weather sensitive in summer, winter, neither or both.
3. create a mathematical model of the meter's response to degree days which indicates how sensitive it is (in usage per degree day) and how much non-weather base load it has (in usage per day).
4. determine which process is appropriate for each meter (the mathematical model if weather sensitive, or simple daily proration if not weather sensitive) to create the calendarized and normalized results.

The results of calendarization and normalization may be viewed from the **Calendarized Data** and **Normalized Data** tabs in the Buildings & Meters chart displays, and in a series of specialized Calendarized or Normalized reports.

Additional Information

- For more information on this topic, please refer to the [Cost Avoidance, Normalization, M&V and the IPMVP](#) glossary page.