

CAISO10 PowerResponse Baseline Calculation Summary

Before a PowerResponse event is held, a baseline or expected usage amount is calculated for each customer. This is done by looking at your average electricity usage for the last 10 business days. We then take a 3-hour period on the day leading up to an event to calculate your event day usage.

For a more in-depth explanation, please review the CAISO 10 baseline calculation below.

The CAISO 10 baseline is used which has been developed by the California Independent System Operator (CAISO) and widely used in Australia. It provides a baseline of what a customer's "normal" usage would be at the time of a PowerResponse event.

The baseline is calculated based on the previous 10 business days usage that did not have a PowerResponse Event. The baseline amount is then calculated in three steps:

Step 1: Calculate the customer's average electricity usage during the previous 10 business days where a PowerResponse event was not held.

Step 2: Measure the customer's average electricity usage for the 3 hours leading up to a PowerResponse event on the day.

Step 3: Adjust the customer's average electricity usage for the day of an event by utilising the baseline's calculated from the 10 previous business days and the 3 hours leading up to a PowerResponse event.