

Beating the Heat

OhmConnect Members Delivered 1.5 GWh in Energy Reductions
During California's Heat Wave

The Challenge

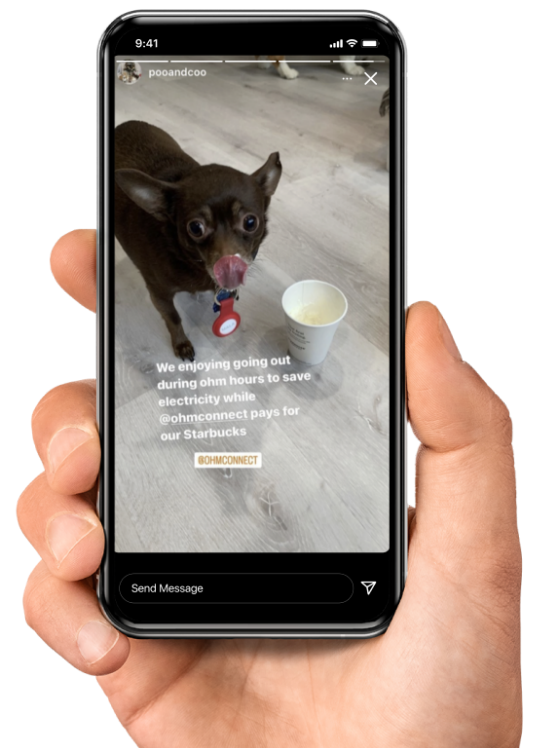
California and the western United States faced an unprecedented heat wave from August 31 to September 8, 2022. Persistently high temperatures strained the grid to the breaking point day after day – as grid operator CAISO called Flex Alerts on nine straight days.

The OhmConnect Response

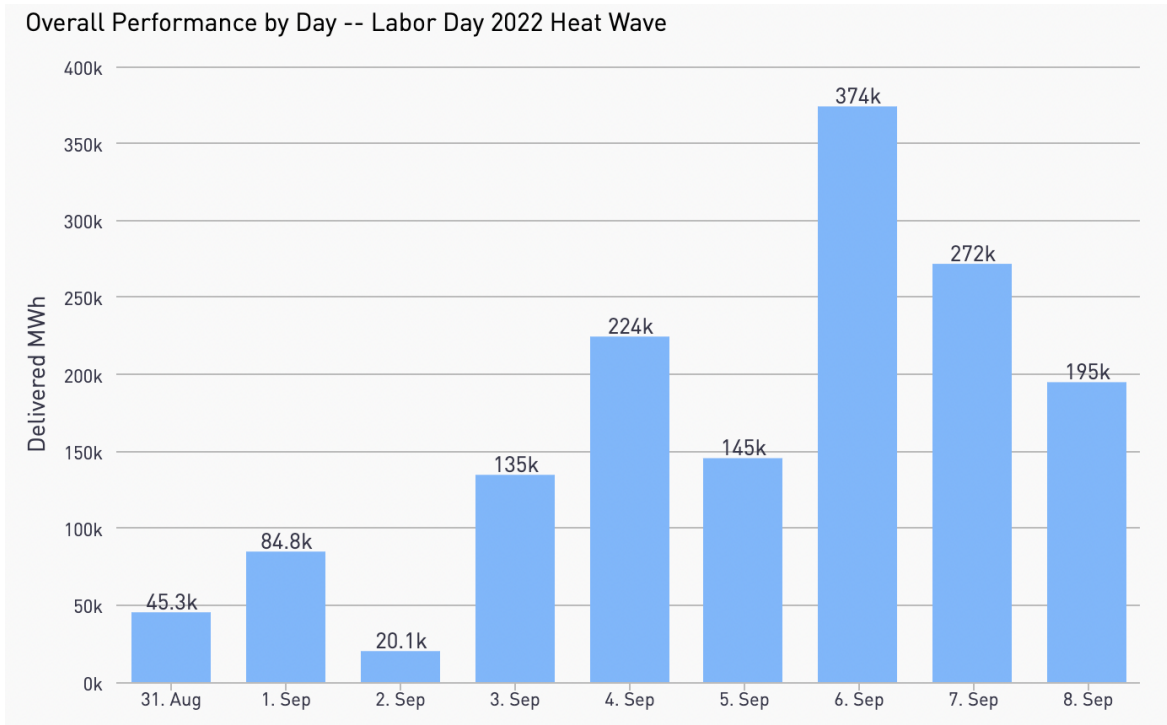
OhmConnect delivered a total of 1.5 GWh of energy reductions during the 9 day heat wave – equivalent to taking 1 million homes off the grid for an hour.

In preparation for grid crises, OhmConnect dispatches its 200,000 members to save energy 50-100 hours a year when the grid is stressed and energy costs are high. In addition, OhmConnect remotely turns its members' 250,000 smart devices (smart thermostats, plugs, refrigerators, batteries, appliances, etc) off and on hundreds of times a year in response to grid signals.

This consistent, active engagement of its members paid off during the Labor Day heat wave as OhmConnect members understood why they needed to save, and which home appliances use the most energy.



OhmConnect Performance by Day Labor Day 2022 Heat Wave



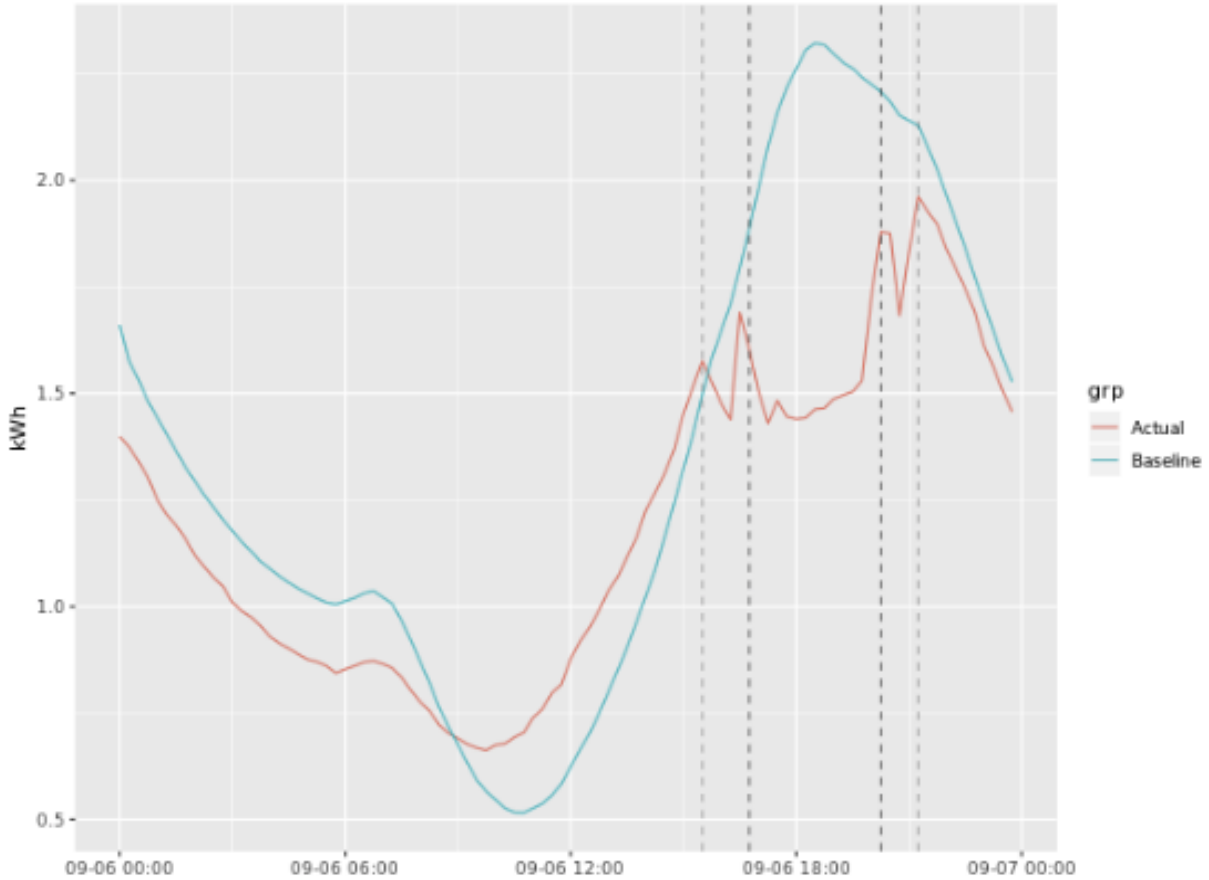
- OhmConnect members made consistent reductions throughout the 9 days, with little sign of fatigue.
- The biggest reductions – ~370 MWh – came on September 6, when the grid faced imminent outages.
- OhmConnect paid more than \$2.7 million in rewards to its members for saving energy.
- OhmConnect members earned 6,611 movie tickets, 15,070 gallons of popcorn; 14,356 large Cold Stone ice creams; and nearly \$500,000 in Amazon gift cards for their energy saving efforts.



Spotlight on Sept 6

OhmConnect Members Delivered 30%+ Reductions When it Mattered Most

OhmConnect California Community 9/6/2022, 5-8pm



- Before and after the dispatch window, OhmConnect coordinated with 200k+ devices in the real time market
- The chart above shows that OhmConnect members had already reduced their energy use by 30%+ when the statewide Amber Alert was sent out at about 5:45 pm.

Updated September 21, 2022

