

# 450 Unit Condominium

San Francisco, CA

## Scenario

The sixty-eight story prominent condominium development in San Francisco's SoMA area was built in 2008 with a total of 450 units. There are two levels of below-ground parking that is shared with the adjacent 298 unit building.

The community had over 50 residents sharing six ChargePoint electric vehicle charging stations that were fully utilized with no available electrical capacity. With a limited number of charging stations and a growing number of EV drivers, the existing charging solution left residents with a poor experience. The building wanted to expand the number of charging stations to support increasing demand but was concerned about the costs of additional electrical infrastructure. The six charging stations were connected to the building's common area power, consistently utilizing all 150 amps of available power.

Had they continued with this existing solution, the infrastructure upgrades would have well over \$50k, so the HOA went in search of a better solution for their residents. This is when they contacted EverCharge.

## Solution

EverCharge's team of engineers determined that by simply replacing the existing ChargePoint stations with EverCharge EV charge stations the building would support 20 charging stations with the same amount of electrical capacity completely avoiding infrastructure upgrades. By leveraging EverCharge's SmartPower load management technology integrated into the EverCharge station this was made possible by intelligently allocating power based on real-time vehicle demand.

EverCharge's installation team, which specializes in complex EV charging installations, conducted the work further reducing costs. Now with more charge stations residents are able to charge daily and allow additional residents to transition to EV without worry about access to home charging. Additionally, EverCharge was able to leverage the Bay Area Air Quality Management District's EV incentive program to bring total costs down significantly. In total, residents saved over \$50k on infrastructure costs, can easily support their current charging needs, and can quickly add new stations at minimal cost when that need arises.

## Results

EverCharge installed 20 stations for the community and worked with the valet team to train and implement the system. There are now more than sixty residents charging with EverCharge. The building infrastructure savings were massive and the system can grow to meet future demand with ease saving even more on infrastructure costs. The additional stations also remove the charging congestion providing a better user experience and increasing the likelihood that more residents will switch to electric vehicles in the future.