

## Project Purpose

This project was designed to develop and demonstrate advanced charging infrastructure (software and hardware) for smart charging, V2G and V2B, grid services, and cost recovery validation. Demonstration occurred in a controlled setting at the University of California, Los Angeles (UCLA) and then expanded into public infrastructure in the City of Santa Monica.

This project developed and demonstrated a solution for smart charging, V2G and V2B, and grid services. This solution is helpful for PEV fleet and parking garage owners, because it can help bring down the cost of adding charging infrastructure and the cost of charging large numbers of PEVs through coordinated control.