

# Peak Power Support for Accelerated Electrification



KineticCore  
SOLUTIONS

KineticCore Solutions (KCS) is developing and fielding a NextGen leap forward in cost-effective, high-power, non-chemical energy storage, creating a safe, deployable, all-climate Peak Load support capability. Our team has over 35+ years of community support and facility development improving efficiencies and further electrification projects, and are excited about introducing this innovative capability.

## Community Engagement

- Typically, disadvantaged and low-income communities suffer from high air pollution concentrations and do not have local public EV Charging facilities available for up to 60% of potential EV owners with no home/work charging access. Providing EV charging for rental and apartment tenants is an expensive endeavor, especially in urban or rural areas where added power access and costs are often beyond the means of most facilities. Therefore, the high cost and lack of power access inhibits electrification and EV adoption in these communities.

## Purpose: To Accelerate Community & Commercial Electrification

- Ability to upgrade existing power with minimum grid improvements:
  - *Low CAPEX equalizes community access*
- Lowers grid peak power demand: *reduces monthly utility bill peak demand costs*
- Simplifies permits: *from 2-3 years to potentially <1-year*
- Supports behind-the-meter periodic, high-draw power
  - *EV fast charging, HVAC/heat-pumps & water heating, refrigeration, ovens & pumps*
- Fast ROIs – *typically 8-36 months*
- Supports microgrid integration, emission reductions and grid infrastructure planning

**Initial Community Partner: Olive Crest Community Services with California based pilot locations**

