

brytemove energy

# Case Study

SCE - Charge Ready Program Execution Framework for Utility-Administered DER Programs

Over a five-year engagement encompassing 126 awarded projects, Brytemove Energy (BME) operated within Southern California Edison's regulated Transportation Electrification program as a competitively selected technical execution contractor — performing standardized site assessment, engineering design, construction management, and integrated design-build services across a wide range of fleet and consumer charging sites.

This case study documents the delivery structure and formal procurement pathway under which BME was selected and retained within SCE's regulated Transportation Electrification program.

SOUTHERN CALIFORNIA EDISON
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**Program: SCE Charge Ready**
**Summary:** Funding and technical support to install EV charging infrastructure
**Project Types:**

- **CR:** MFH, commercial, on -the-go
- **CR Transport:** MD/HD private & public fleets
- **CR Pilot:** DSA schools & public parks

## A Public Procurement Pathway

SCE's formal public RFP process established the governance, qualification standards, and performance expectations under which external technical contractors operated within the Charge Ready program. The competitive procurement framework defined scope boundaries, milestone controls, and reporting requirements consistent with regulated utility program oversight.

The contract structure also incorporated a two-year extension awarded on demonstrated performance, allowing scope continuity and expansion without re-procurement. The procurement structure included the following key elements:

- Formal public RFP process with defined technical qualification criteria and evaluation standards
- Utility-retained program management, including circuit capacity allocation, distribution system upgrades (make-ready), interconnection control, and overall program governance
- Milestone-governed delivery framework aligned with utility distribution planning, circuit capacity provisioning, make-ready infrastructure sequencing, permitting, and construction controls

## Design and Engineering

Design and engineering activities were executed within SCE's defined milestone structure and distribution planning framework. BME operated under standardized site assessment protocols, utility service feasibility review, and interconnection coordination requirements to ensure each project aligned with circuit capacity constraints and program delivery timelines.

The design workflow progressed through structured control points consistent with utility program governance:

**CD30-Conceptual**

Initial site assessment, rough layout, electrical service feasibility, preliminary load analysis.

**Utility Design-Base Map**

Above - and below-ground utility identification, civil validation, boundary or easement coordination.

**CD90-Detailed Design**

Stakeholder coordination, load study, new service planning, utility interconnection alignment.

**Permitting**

PE -stamped plan preparation, AHJ coordination, construction permit management.

**CD100-IFC**

Final construction drawings and field-ready documentation for deployment.

At peak program volume, this workflow supported more than 100 concurrent active sites across multiple Charge Ready segments while maintaining compliance with SCE's milestone and reporting requirements.

**Earned Expansion: From Design Partner to Design-Build Delivery**

**The Charge Ready program was initially structured to separate design and construction scopes. Following demonstrated performance, SCE entrusted BME with integrated design-build delivery on select engagements. More than eighteen projects progressed under combined design-build — reflecting earned confidence within the utility's oversight framework. This progression was not contracted at the outset; it was earned through consistent, disciplined execution.**

## Construction Management and General Contractor

When BME's scope expanded to include construction services, delivery was performed within SCE's regulated program controls and milestone structure. Acting as General Contractor, BME managed the full construction lifecycle in coordination with utility distribution planning, make-ready sequencing, and interconnection approval requirements.

**Subcontractor Coordination**

Organized and managed electrical and civil subcontractors (union shops) aligned with project labor requirements.

**Deployment**

Managed on-site construction execution including electrical infrastructure, civil work, and equipment installation.

**Documentation**

Compiled and submitted all as-built documentation, compliance records, and closeout packages per SCE requirements.



**Scheduling**

Developed and managed construction schedules coordinated with SCE milestone controls and site access constraints.

**Completion & Closeout**

Completed final inspections, punch list resolution, system commissioning, and project closeout.

Construction execution was coordinated to align with utility capacity upgrades and energization timelines, ensuring distribution readiness prior to final system commissioning.

## Institutional Capabilities Supporting Program Delivery

- **In-house PE-stamped electrical engineering** enabling direct control of design quality, interconnection alignment, and permit issuance.
- **California C-10 Electrical Contractor licensing** with statewide self-perform capabilities.
- **General Contractor (B) license** supporting integrated design-build delivery within the regulated program structure.
- **Established labor and subcontractor** network aligned with utility and project labor requirements.
- **Program management infrastructure** capable of supporting 100+ concurrent active sites under milestone controls.