

COMPANY PROFILE

Comprehensive Electrical Engineering Solutions, specializing in services from 120V to 60kV.

Offering Qualified Applicant Design (QAD) services for PG&E Commercial, Multi-Unit, and Residential customers, facilitating expedited timelines for service application and installation.



CLIENT PORTFOLIO



SERVICES

SLC Energy Solutions is an established full service Electrical Engineering Firm licensed in California and Oregon. We provide Electrical Distribution Engineering services from 120V up to 60kV. Our experience includes Overhead and Underground Medium Voltage Distribution, as well as commercial & industrial electrical engineering services for permit and construction drawings.

RAPID GROWTH SECTOR - EVCS

Our most rapid growth sector is with Electric Vehicle Charging Stations (EVCS), having recently designed and permitted for dozens of auto dealerships in Southern California. We've designed for fleets, public charging to accommodate ADA, buses, class 8 trucks and shore power installations for electrical boat charging.

SERVICES PROVIDED

- Commercial and Industrial Stamped Permit packages for AHJ approval
- Electrical, Structural, Civil and Surveying services for Electric Vehicle Charging Station permit plans
- Electrical Vehicle consulting services to support the following: charger selection, utility rules, rates, and tariffs, industry trends, challenges and opportunities, preliminary layouts, support load studies with utilities, charge management and regulatory trends
- Owner Engineer / Owner Representative
- Value Engineering
- Support and facilitation for Application of Electrical Service with California Utilities
- Coordination with Utility Company Staff (gas, electric, telephone and CATV)
- Coordination with "Project Team" Members and City/County Staff
- Bid Documents and Material Summaries
- Pre-Construction support
- PG&E Gas and Electric Qualified Applicant Designer (Rule 15 & 16), (Rule 20b & 20c)
- Established positive working relationship with the utility team and leadership
- Full engagement with the utility Project Management Team through to final site energization
- In-depth knowledge of the utility resource scheduling and applicant install inspection process
- Well versed Electric Service Requirements and Electric Construction Standards for California Utilities
- Advisor for pre-construction meetings for electric facility installation and inspection process

SLC ALSO OFFERS

Qualified Applicant Design (QAD) services for PG&E customers and contractors looking to expedite the service application and design process with the utility.
(Visit PGE.com for info about the QAD Program)



FRANK SYLVESTER
PRINCIPAL ENGINEER

After Graduating from Penn State in 2004, Frank became a registered engineer in California (2010), Oregon (2023) and Nevada (2025). For over half his career Frank has served the public as an engineer and project manager for the City of San Francisco at DPW and Public Utilities Commission. As Senior Manager for Liberty Utilities in Tahoe, CA he led multiple Electrical Distribution upgrade projects as part of Wildfire Mitigation Programs (WMP), and Transportation Electrification programs such as Tahoe Transportation District Bus Electrification project. Frank is our SME for Electrical distribution, EV charging stations, and Utility Coordination. As Principal Engineer, he supports our customers with Value Engineering through all project phases. He engages our customers' project life cycles from proposals and scoping through engineering, to project close out and facility energization.

ABOUT SLC ENERGY SOLUTIONS

SLC was established in 2014 and later incorporated in 2020 in response to the growing demand for Electrical Engineering services needed in our communities. Our team is small but able to respond quickly to our clients' needs. We have multiple industry partners that support our projects with Civil, Structural, and Surveying services to provide a combined vision for our customers with full-service engineering, and one point of contact for their project needs.



EXPERIENCE & EXPERTISE

- 20+ years of experience in construction and engineering project management, electrical design, engineering, and EV charging infrastructure.
- 80+ projects completed across Commercial, Warehouse T.I., Utility, and EV charging sectors.
- 30+ EV charging sites designed, serving as Engineer of Record, providing project management, utility coordination, permitting, surveying, and civil support.
- Engineered 1,300+ charging ports, including 100+ DC Fast Chargers and 1,200+ Level 2 chargers for passenger, fleet, heavy-duty transit, and marine EV applications.
- Licensed and active in California, Oregon, and Nevada.
- Engineering services supporting \$350M+ in total site construction value.
- Direct coordination with major utilities including Pacific Gas and Electric (PG&E), Liberty Utilities, San Diego Gas & Electric (SDG&E), and Southern California Edison (SCE).
- Repeat/multi-site partners: McKee Electrical Contracting, CLAD, Charge EPC, and Going Green NRG.
- Typical design and permitting support completed in 4–8 weeks, depending on scope and jurisdiction.





CHICKEN RANCH CASINO

Electrical design of power, lighting, distribution for new 52' Box sewer treatment plant and irrigation pump station

Location: Jamestown, CA
Partner: Gold Electric, Mountaineering Engineering

SAN JOSE WATER CO

Engineer of Record for power and control system upgrade for RCS Chloramine management system

Location: San Jose, CA
Partner: Industrial Control Systems

PACIFIC GAS & ELECTRIC

Engineer of Record for 25+ mobile home parks, 100's of distribution poles and misc electrical distribution projects

Location: Various Sites, CA
Partner: Charge EPC

SISKIYOU TELEPHONE

Engineering and design of overhead pole line replacement project to PG&E standards

Location: Somes Bar, CA
Partner: TW Powerline

TAHOE CITY MARINA

Design & Electrical Engineering for installation of electric DC fast charger for boats on floating pier

Location: Tahoe City, CA
Partner: Vita Boats / Aqua Chargers



US SPACE FORCE

Engineer of Record for feeder line upgrade including electrical and civil services with overhead distribution on concrete poles

Location: Vandenberg, CA
Partner: TW Powerline

MT DIABLO SCHOOL DIST.

Electrical distribution design and engineering of both To the Meter (TTM) PG&E distribution and Behind the Meter (BTM) permit package for 16-19.2 kW Level 2 chargers

Location: Concord, CA
Partner: Charge EPC, RC Electric

WATT EV

Engineering and electrical distribution design for medium voltage service for 16-360kW Level 3 DC fast chargers for a total 5.8 MW of heavy duty truck charging. Also Engineer of Record for 480V service for truck stop and amenities

Location: Bakersfield, CA
Partner: Collins Electric, Engineering Partners Inc.

PACIFIC GAS & ELECTRIC

Applicant designer for PG&E customers who wish to expedite Overhead or Underground To The Meter (TTM) Design

Location: Various Sites, CA
Partner: Multiple Residential Customers, Contractors & Developers

WATSON LAND COMPANY

Designed heavy duty EV truck stop to support Watson's warehouse customers with EV charging design concept, layout, project cost estimate, grant funding, and total cost of ownership. Included analysis of photovoltaic canopies as well as Battery Energy Storage Systems

Location: Carson, CA
Partner: E2, Sargent Lundy



THEODORE ROBINS FORD

Civil and Electrical Design for Level 2 and Level 3 EV charging stations with ADA design

Location: Costa Mesa, CA
Partner: Going Green Energy, E2

LONG BEACH FORD

Civil and Electrical Design for Level 2 and Level 3 EV charging stations

Location: Long Beach, CA
Partner: Going Green Energy, E2

BUENA PARK CHEVY

Civil and Electrical Design for Level 2 EV charging stations

Location: Buena Park, CA
Partner: Going Green Energy, E2

PUENTE HILLS DODGE

Civil and Electrical Design for Level 3 EV charging stations

Location: City of Industry, CA
Partner: Going Green Energy, E2

US AIR FORCE

Engineer of Record for feeder line upgrade including electrical and civil services with overhead and underground distribution upgrades and repairs

Location: Beale AFB
Partner: TW Powerline



RUST-OLEUM

Civil and Electrical Design for Level 2 EV charging stations with ADA design

Location: Riverside, CA
Partner: McKee Electric, Pacific Engineering & Construction

POWAY DODGE

Civil and Electrical Design for Level 2 and Level 3 EV charging stations

Location: Poway, CA
Partner: Going Green Energy, E2

LAKE ELSINORE DODGE

Civil and Electrical Design for Level 2 and Level 3 EV charging stations

Location: Lake Elsinore, CA
Partner: Going Green Energy, E2

HEMET DODGE

Civil and Electrical Design for Level 2 and Level 3 EV charging stations

Location: Hemet, CA
Partner: Going Green Energy, E2

KING AUTO

Civil and Electrical Design for Level 2 EV charging stations

Location: Moreno Valley, CA
Partner: Going Green Energy, E2



HUNTINGTON BEACH FORD

Civil and Electrical Design for Level 2 and Level 3 EV charging stations

Location: Huntington Beach, CA
Partner: Going Green Energy, E2

BUENA PARK GMC

Civil and Electrical Design for Level 2 and Level 3 EV charging stations

Location: Buena Park, CA
Partner: Going Green Energy, E2

BRAVO FORD

Civil and Electrical Design for Level 2 and Level 3 EV charging stations

Location: Alhambra, CA
Partner: Going Green Energy, E2

FORTRESS PROPERTY MGMT

Civil and Electrical Design for Level 3 and future plugs for EV charging stations with ADA design

Location: San Francisco, CA
Partner: Power Chord Utility, E2

FORD LIGHTNING MICRO GRID

Electrical design of whole home back-up system, including solar, bi-directional EV charger, and microgrid controller

Location: Private Residence Lincoln, CA



AYMIUM

Design of Customer owned Overhead primary line service, and PG&E primary service coordination and support

Location: Wilits, CA
Partner: PG&E

THE AVALON LODGE

Load study. Analysis of existing service load to support future heat pumps

Location: South Lake Tahoe, CA
Partner: ClearView Electric

PACIFIC GAS & ELECTRIC

Electrical site designs, single line diagrams for multiple PG&E yards and facilities

Location: Bakersfield, King City, Los Banos, Morgan Hill, CA
Partner: CLAD Engineering

CREST PARTNERS

EV Electrical and Civil design permit plans for construction of 2.5MW of fleet charging

Location: San Francisco, CA

CREST PARTNERS

Large Load Study. Develop Site plans and SLD for PG&E large load study 6MW of EV charging

Location: San Francisco, CA



CHINO HILLS FORD

BTM and TTM design for installation of:
- (2) Level 3 Chargers
- (6) Level 2 Chargers

Location: Chino Hills, CA
Partner: Going Green NRG

HELIOS REAL ESTATE PARTNERS

EV Electrical and Civil design permit plans for construction of 2.5MW of fleet charging

Location: South San Francisco, CA

AQUA SUPER POWER

Condition Assessment, conceptual site design, and SLD for 300kVA of EV boat and jet ski charging

Location: South Lake Tahoe, CA
Partner: ClearView Electric

FORUM MOBILITY

EOR for updated SLD and Site plans for Submission to PG&E for Primary service. 20MW of connected load to over 16 MCS Heavy Duty EV Class 8 truck charging

Location: San Francisco, CA
Partner: Power Chord Utility

PORTERVILLE CDJR

BTM and TTM design for installation of level 3 Charger

Location: Porterville, CA
Partner: Going Green NRG



KIA OF VAN NUYS

EV Design Develop Site Civil and Electrical plans for construction to 1-level 3 DCFC.

Location: Van Nuys, CA
Partner: Going Green NRG