EV Charging & Load Sharing

System-Level EV Charging Solutions for Residential and Commercial Properties

Electric vehicle charging is one of the fastest-growing electrical loads in modern properties. When not properly planned, EV chargers can exceed available service capacity or trigger costly and unnecessary upgrades.

Mirkovic Electric designs and installs EV charging systems that integrate safely with existing electrical infrastructure through load management, smart controls, and utility-aware planning.

What This Service Includes

- Residential and commercial EV charger installation
- Tesla Wall Connector and universal EVSE installations
- NEC-compliant load calculations for EV charging
- Breaker sizing, conductor selection, and raceway installation

- Dynamic load management (Tesla Neurio and load-sharing systems)
- Multiple EV charger load sharing configurations
- Integration with smart panels and energy monitoring systems
- Planning for future EV capacity expansion

Load Sharing & Capacity Optimization

In properties with limited electrical capacity, load sharing and dynamic load management allow EV charging to operate safely without exceeding service limits. These strategies often eliminate the need for immediate service upgrades while maintaining reliable charging performance.

Applications

- Single-family and multi-unit residential properties
- Commercial and mixed-use properties
- Properties with limited service capacity
- Garages requiring multiple EV chargers
- EV-ready planning for future vehicle adoption

Permitting & Utility Coordination

EV charging installations often require electrical permits and, in some cases, utility review. This service may include permit submittals, load documentation, and coordination with PG&E; and local inspectors as required.

Who This Service Is For

This service is intended for homeowners, property managers, and business owners who want safe, compliant EV charging solutions that are designed around existing electrical capacity and future needs.