

Load Management & Power Planning



The landing page for Mirkovic Electric's Load Management & Power Planning service. It features a dark blue header with the company logo, "Licensed Bay Area Electrician Since 1991", and contact information: "Request a Quote | Call or Text: Call or Text: (408) 900-2672". Below the header is a main image showing a technician working on an electrical panel, with two modern electrical panels on the right. The title "Load Management & Power Planning" is prominently displayed, followed by "Electrical Capacity Planning for Modern Properties". A subtext explains the increasing demands on electrical systems from EV chargers, heat pumps, and other equipment. The service is described as safely integrating new loads while minimizing unnecessary upgrades and avoiding permitting issues. The "What This Service Includes" section is divided into three categories: Electrical Load Analysis, Load Management Strategies, and Service Optimization, each with a corresponding image and a list of services. The page also highlights experience in both residential and commercial properties and provides a "Call or Text: (408) 900-2672" button. The "Common Applications" section shows images for EV Charger Installations, Solar & Electrical Planning, Remodels & Additions, and Multi-Unit & Mixed-Use Properties. A sidebar lists four potential challenges: Failed inspections, Delays caused by unexpected utility requirements, Costly and unnecessary service upgrades, and Electrical systems that cannot support future needs. A large orange "Get Started Today" button is located at the bottom right.

Mirkovic ELECTRIC
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Load Management & Power Planning

Electrical Capacity Planning for Modern Properties

Modern residential and commercial properties place increasing demands on electrical systems. EV chargers, heat pumps, solar, battery storage, and advanced audio or networked systems are properly planned or used if not properly planned.

Mirkovic Electric provides load management and power planning services designed to safely integrate new electrical loads while minimizing unnecessary service upgrades and avoiding permitting or inspection issues.

What This Service Includes



Electrical Load Analysis

- NEC-compliant load calculations
- Evaluation of existing service capacity (400A, 125A, 200A and above)
- Identification of constraint points within the electrical system



Load Management Strategies

- EV charger load management (Tesla Network, load sharing systems)
- Smart load shedding and prioritization
- Coordination between EV charging, HVAC, and other major loads
- Planning to support future electrical expansion



Service Optimization

- Determination of when a panel or service upgrade is truly required (if feasible)
- Alternatives to full service upgrades when feasible
- Integration with smart panels and energy monitoring systems

Experienced in electrical capacity planning for both homes and businesses

Call or Text: (408) 900-2672

Common Applications



EV Charger Installations



Solar & Electrical Planning



Remodels & Additions



Multi-Unit & Mixed-Use Properties

⚠ Failed inspections

⚠ Delays caused by unexpected utility requirements

⚠ Costly and unnecessary service upgrades

⚠ Electrical systems that cannot support future needs

Get Started Today

This service focuses on electrical capacity planning for modern residential and commercial properties. It addresses increasing power demands from EV chargers, HVAC systems, solar, battery storage, and other high-load equipment through NEC-compliant load calculations, load management strategies, and service optimization.

Smart Electrical Panels & Energy Monitoring

The landing page features the Mirkovic Electric logo at the top left, followed by a banner with a technician working on a panel and a control interface. The main headline reads "Smart Electrical Panels & Energy Monitoring" and "Advanced Load Management for Safe & Efficient Power". A descriptive paragraph explains the increasing demands on electrical systems due to EV chargers, heat pumps, induction cooking, solar, battery storage, and advanced audio or networked systems. Below this, a section titled "What This Service Includes" shows three categories: "Smart Panel Upgrades" (with images of various smart panels), "Real-Time Energy Monitoring" (with images of mobile and desktop devices displaying graphs), and "Smart Load Control" (with images of a smartphone, a laptop showing a dashboard, and a small device). The "Common Applications" section shows four images: "EV Charger Integration" (a person connecting a charger), "Solar & Backup Battery" (a solar panel array), "Service Upgrades" (a technician working on a panel), and "Whole Home Monitoring" (a hand interacting with a large screen displaying energy data). The "Why Upgrade to Smart Panels?" section lists five benefits with icons: cost savings, real-time visibility, enhanced safety, and future-readiness. A quote at the bottom left discusses planning first for efficient installations. A prominent orange button at the bottom right encourages users to "Call or Text: (408) 900-2672".

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Smart Electrical Panels & Energy Monitoring

Advanced Load Management for Safe & Efficient Power

Modern residential and commercial properties place increasing demands on electrical systems. EV chargers, heat pumps, induction cooking, solar, battery storage, and advanced audio or networked systems often exceed the capacity of existing electrical services if not properly planned.

What This Service Includes

Smart Panel Upgrades

- Installation of SPAN, Savant, Leviton, and Utility smart panels

Real-Time Energy Monitoring

- Smartphone, tablet, and desktop apps

Smart Load Control

- Automated load prioritization and smart scheduling

Common Applications

EV Charger Integration

- Load balancing and current management

Solar & Backup Battery

- Optimized panels for backup energy storage

Service Upgrades

- Future-proof your system for new loads

Whole Home Monitoring

- Remote access and real-time energy data

Why Upgrade to Smart Panels?

- Cost savings through optimized energy use
- Real-time visibility and control of your home's electrical system
- Enhanced safety features for better surge and fault protection
- Future-ready infrastructure

Our approach emphasizes planning first, allowing installations to proceed efficiently, compliantly, and with long-term reliability in mind.

Call or Text: (408) 900-2672

Smart electrical panels provide real-time visibility and intelligent control of electrical systems. This service supports EV charging, solar, and battery integration while enabling future electrical expansion through monitoring, prioritization, and system-level planning.

Permits & PG&E; Coordination

The page features a dark blue header with the Mirkovic Electric logo, "ELECTRIC", and "Licensed Bay Area Electrician Since 1991". It includes a "Request a Quote" button, a "Call or Text" button, and the phone number "(408) 900-2672".

Permits & PG&E Coordination

Expert Handling of Permitting & Utility Coordination

Modern electrical installations often intersect with complex permitting requirements and PG&E involvement. The process can be time-consuming and frustrating if not properly handled.

Mirkovic Electric provides expert permit and **PG&E coordination services** to ensure your projects proceed without unnecessary delays or unexpected complications.

What This Service Includes

Permit Submittals <ul style="list-style-type: none">Preparation of detailed permit applicationsLoad documentation for permit submittalsPlan set submission and tracking	PG&E Coordination <ul style="list-style-type: none">Load calculations for PG&E service capacity letters (Rule 16 Rule 15) @Coordination with PG&E service planningManagement of load increase requests and complexities	Inspection Support <ul style="list-style-type: none">On-site support during inspectionsPre-inspection checks to avoid last-minute issuesAddressing corrections and follow-up documentation
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Let us navigate the complexities of permits and PG&E on your behalf

Call or Text: (408) 900-2672

Common Applications

EV Charger Installations	Service Upgrades	Solar & Battery Installations	Commercial Electrical Projects

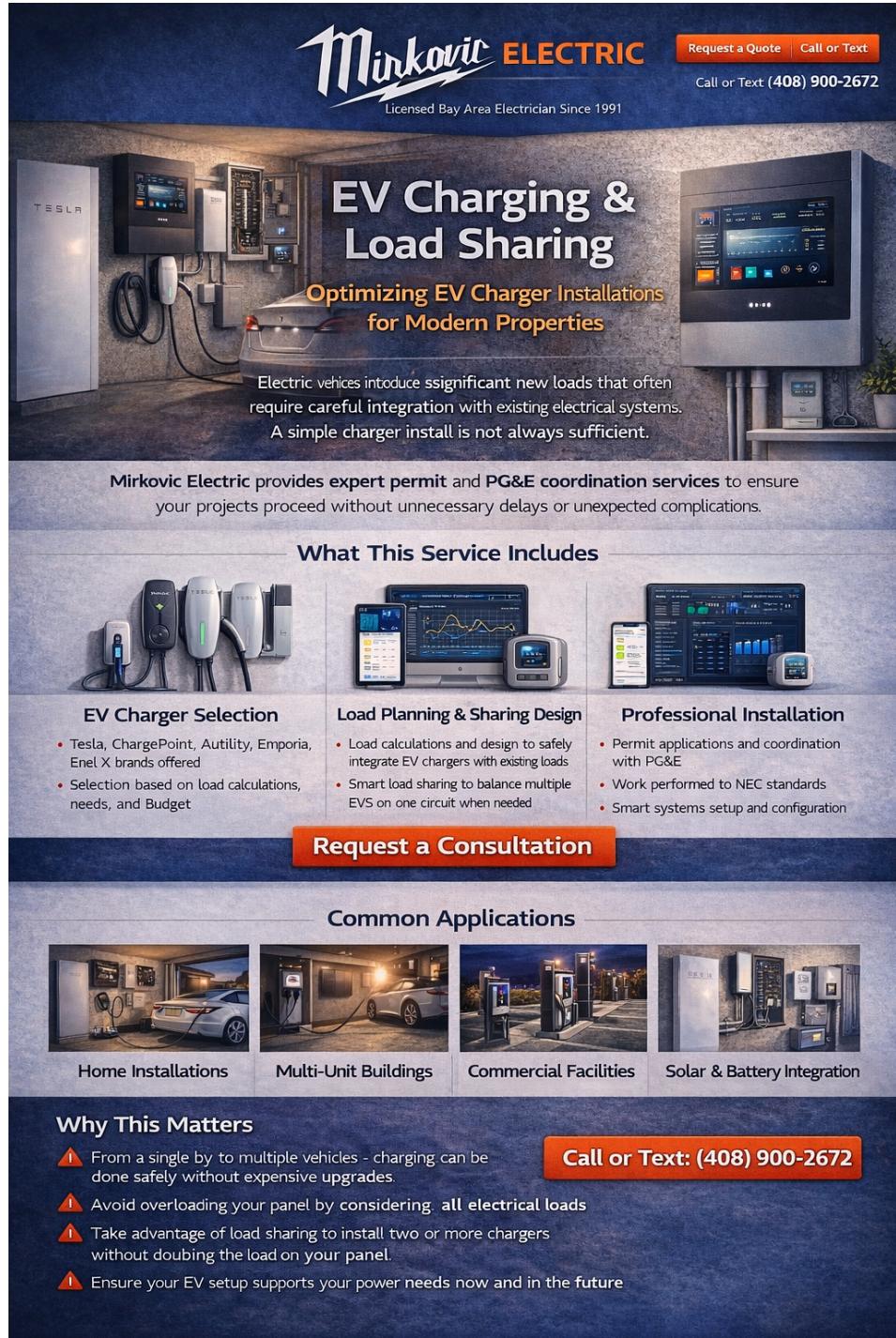
Mirkovic Electric streamlines this process to keep your projects on track and in compliance.

- ⚠ Permit applications rejected due to inadequate documentation.
- ⚠ Lengthy delays waiting for PG&E feedback or inspections
- ⚠ Costly last-minute corrections and setback requirements

Get Started Today

This service manages electrical permitting and PG&E; coordination to reduce delays and avoid costly corrections. It includes permit preparation, load documentation, utility coordination, and inspection support for residential and commercial projects.

EV Charging & Load Sharing



The page features a dark blue header with the Mirkovic Electric logo, "Licensed Bay Area Electrician Since 1991", and contact buttons for "Request a Quote" and "Call or Text". Below the header is a large image of an electric car being charged at a station with multiple monitors displaying data. The main title "EV Charging & Load Sharing" is prominently displayed, followed by the subtitle "Optimizing EV Charger Installations for Modern Properties". A descriptive paragraph explains that electric vehicles introduce significant new loads that require careful integration with existing electrical systems, noting that a simple charger install is not always sufficient. The company's expertise in permit and PG&E coordination services is highlighted. The "What This Service Includes" section is divided into three columns: "EV Charger Selection" (showing various chargers), "Load Planning & Sharing Design" (showing a smartphone, laptop, and meter), and "Professional Installation" (showing a smartphone, laptop, and meter). A large orange "Request a Consultation" button is centered below these sections. The "Common Applications" section shows four images: "Home Installations" (car in a garage), "Multi-Unit Buildings" (car in a parking lot), "Commercial Facilities" (multiple charging stations), and "Solar & Battery Integration" (a large solar panel and battery unit). The "Why This Matters" section lists four key reasons with exclamation marks: "From a single by to multiple vehicles - charging can be done safely without expensive upgrades.", "Avoid overloading your panel by considering all electrical loads", "Take advantage of load sharing to install two or more chargers without doubling the load on your panel.", and "Ensure your EV setup supports your power needs now and in the future". A final orange "Call or Text: (408) 900-2672" button is located at the bottom right.

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EV Charging & Load Sharing

Optimizing EV Charger Installations for Modern Properties

Electric vehicles introduce significant new loads that often require careful integration with existing electrical systems. A simple charger install is not always sufficient.

Mirkovic Electric provides expert permit and PG&E coordination services to ensure your projects proceed without unnecessary delays or unexpected complications.

What This Service Includes

		
EV Charger Selection <ul style="list-style-type: none">Tesla, ChargePoint, Utility, Emporia, Enel X brands offeredSelection based on load calculations, needs, and Budget	Load Planning & Sharing Design <ul style="list-style-type: none">Load calculations and design to safely integrate EV chargers with existing loadsSmart load sharing to balance multiple EVs on one circuit when needed	Professional Installation <ul style="list-style-type: none">Permit applications and coordination with PG&EWork performed to NEC standardsSmart systems setup and configuration

Request a Consultation

Common Applications

			
Home Installations	Multi-Unit Buildings	Commercial Facilities	Solar & Battery Integration

Why This Matters

- From a single by to multiple vehicles - charging can be done safely without expensive upgrades.
- Avoid overloading your panel by considering all electrical loads
- Take advantage of load sharing to install two or more chargers without doubling the load on your panel.
- Ensure your EV setup supports your power needs now and in the future

Call or Text: (408) 900-2672

EV charging systems are designed with load sharing and capacity optimization to integrate safely with existing electrical infrastructure. This service supports residential, multi-unit, and commercial installations with permit-ready documentation and future expansion planning.

Audiophile Audio Systems & Networked Playback

The landing page features a dark blue header with the Minkovic Electric logo, a "Request a Quote" button, and a phone number. Below the header is a large image of a home theater setup with a TV, speakers, and a receiver. To the right is a close-up of a control panel. Text on the page includes "Audiophile Audio Systems & Networked Playback" and "Precision Planning for Advanced Audio & Network Systems". A subtext explains that audiophile-grade audio systems require exacting electrical infrastructure and network integration. A prominent orange "Get a Consultation" button is centered below the main image. The next section, "What This Service Includes", is divided into three columns: "Electrical Infrastructure" (showing power strips and surge protectors), "Wired & Wireless Networking" (showing a smartphone, a laptop displaying network monitoring software, and a small device), and "System Design & Installation" (showing various audio components like a receiver and speakers). Below this is a section titled "Common Applications" with four images: "Dedicated Listening Rooms", "Distributed Whole Home Audio", "Remote Networked Systems", and "Multi-Room Audio & A/V". The final section, "Why This Matters", lists five reasons with icons: avoiding hum/noise/Wi-Fi instability, ensuring seamless playback, integrating into a resilient network, and future-readying the system. A "Call or Text: (408) 900-2672" button is located here. A note at the bottom states: "Our approach eliminates electrical noise and instability while optimizing playback capabilities across all rooms and devices."

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Request a Quote | Call or Text
Call or Text (408) 900-2672

Audiophile Audio Systems & Networked Playback

Precision Planning for Advanced Audio & Network Systems

Audiophile-grade audio systems require exacting **electrical** infrastructure and **network integration** to achieve high performance. Beyond selecting equipment, the key is a robust electrical and digital foundation.

Get a Consultation

What This Service Includes

Electrical Infrastructure

- Dedicated audio power circuits and grounding
- High-quality cabling, power conditioning, and surge protection

Wired & Wireless Networking

- Enterprise-grade networking setup (wired & wireless)
- Dedicated network racks and managed switches
- Integration with Roon, Tidal, Qobuz, Sonos, etc.)

System Design & Installation

- Holistic, whole-system design and planning
- Calibration and proper cable management
- Integration of audiophile equipment and streaming solutions (Wasersa, Aurender, McIntosh, Linn, Lumin, etc.)

Common Applications

Dedicated Listening Rooms Distributed Whole Home Audio Remote Networked Systems Multi-Room Audio & A/V

Why This Matters

- Avoid hum, hiss, electrical noise, and Wi-Fi instability impacting audio quality.
- Ensure seamless, high-quality playback: h-res music collections (Roon, Audirvana, Tidal, Qobuz).
- Integrate audiophile audio and streaming equipment into a **resilient network**.
- Future-ready your audio network infrastructure.

Call or Text: (408) 900-2672

Our approach eliminates electrical noise and instability while optimizing playback capabilities across all rooms and devices.

This specialty service delivers reference-grade audio infrastructure with clean power, dedicated circuits, and robust wired and wireless networking. The focus is on system design, signal integrity, and long-term performance rather than consumer-grade equipment sales.