



## **Belmont Electric Reports Surge in Electrical Panel Replacement Demand Amid Infrastructure Modernization Trends**

*June 10, 2026*

SCOTTSDALE, AZ - June 10, 2026 - PRESSADVANTAGE -

A new industry assessment examining electrical infrastructure demands in Scottsdale reveals significant growth in electrical panel replacement requests, with local service providers reporting increased activity related to aging residential systems and evolving power requirements. The analysis highlights how electrical contractors are adapting their service offerings to address both traditional infrastructure needs and emerging technologies such as electric vehicle charging systems.

The report indicates that properties constructed before 2000 frequently require comprehensive electrical panel upgrades to meet current safety standards and support modern electrical loads. This trend coincides with growing adoption of electric vehicles and home automation systems that place additional demands on residential electrical infrastructure.

Belmont Electric, among the electrical contractors examined in the assessment, has documented a notable increase in projects combining panel replacements with EV charger installation in Scottsdale. The company's service data shows that approximately 60 percent of electric vehicle charging installations require preliminary

panel upgrades or dedicated circuit installations to meet code requirements.

"The convergence of aging infrastructure and new technology adoption creates unique challenges for property owners," said Patrick Dube, owner of Belmont Electric. "Our technicians are encountering homes where original electrical panels installed decades ago cannot safely accommodate the power demands of modern appliances, home offices, and electric vehicle charging stations. This situation necessitates a comprehensive approach to electrical system evaluation and upgrading."

The regional assessment identifies several factors driving demand for electrical panel replacements, including insurance requirements for outdated equipment, local code updates, and the integration of renewable energy systems. Additionally, the report notes that electrical contractors throughout Arizona are expanding their technical capabilities to address these interconnected infrastructure needs.

Electrical panel replacement projects typically involve assessment of existing systems, load calculations, permit coordination, and installation of updated equipment meeting current National Electrical Code standards. The complexity of these projects has led many contractors to invest in specialized training and diagnostic equipment.

The analysis also examines the growing market for Level 2 electric vehicle chargers, which require 240-volt circuits and often exceed the capacity of older electrical panels. Industry data suggests that residential EV charger installations in Arizona have increased by 45 percent over the past two years, with many installations requiring concurrent infrastructure upgrades.

"Panel replacement represents a critical safety and functionality upgrade that enables properties to support contemporary electrical demands," added Dube. "The integration of EV charging capabilities during panel upgrades provides property owners with a future-ready electrical system that accommodates both current needs and anticipated technological additions."

The report highlights that licensed electrical contractors are experiencing steady demand across multiple service categories, including new construction electrical work, generator installations, and custom lighting solutions. This diversification reflects the comprehensive nature of modern electrical system requirements in both residential and commercial properties.

Belmont Electric maintains a full range of electrical services including panel services, repairs and upgrades, indoor lighting solutions, new construction electrical work, and generator installation and repairs. The company holds all required Arizona electrical licenses and certifications, with technicians completing ongoing

training in emerging technologies and updated code requirements. Established over 30 years ago, the company serves residential and commercial clients throughout the Scottsdale area, providing electrical infrastructure solutions backed by warranty coverage.

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## **Belmont Electric**

*Belmont Electric provides commercial & residential electrical services to Scottsdale, AZ and the surrounding Phoenix Metro. As experienced electricians, we work on electrical panels, lighting, EV chargers & more.*

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